

سعادة عميد عمادة البحث العلمي

رئيس لجنة المعيار السابع

السلام عليكم ورحمة الله وبركاته

حفظه الله

نشير إلى كتاب سعادتكم رقم 4/67/285467 وتاريخ 1444/10/25هـ بشأن تزويد سعادتكم بعدد وقائمة براءات الاختراع الممنوحة لأعضاء هيئة التدريس والباحثين خلال الفترة من 2017 إلى 2022م لإدراجها كأدلة في تقرير المعيار السابع للجنة الاعتماد المؤسسي.

تجدون برفقه قائمة براءات الاختراع الممنوحة - وفقاً للمعلومات المتاحة لدينا - عن الفترة المذكورة، تنطوي على أسماء المخترعين، ومسعى براءة الاختراع ورقمها وتاريخ منحها، ورقم وتاريخ النشر، ورقم وتاريخ الإيداع، والمالك، والمجال التقني، والمكتب المانح.

وتفضلوا بقول خالص تقديري واحترامي،،

المسؤول عن

معهد ريادة الأعمال

  
د. خالد بن عبدالله الحصيني

الرقم: ٤/٦٧/٢٨٥٤٦٧

التاريخ: ١٤٤٤/١٠/٢٨هـ

موقع

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
<b>2022</b>											
1	Nora Alsudairi Maram AlKahtani Lamia AlSiddiqi Raghad AlSarami	Beverage Mixing and Dispensing System	11614	7/12/2022	121430113	6/9/2021	17/015,240	9/9/2020	KSU	Medical	SAIP
2	Thamer Ali Albahkali Hany Hassan Aly Sayed	Hospital Bed with Pivoting Side Rail	11610	7/12/2022	121420508	2/3/2021	16/810,784	5/3/2020	KSU	Engineering	SAIP
3	Wajhul Qamar Mohammad Altamimi	Testing Chamber for Laboratory Animals	11609	7/12/2022	120410541	1/4/2020	16/376,737	5/4/2019	KSU	Pharmaceutical	SAIP
4	Husain Abbas Yousef Al-Salloum Tarek Almusallam Nadeem Siddiqi Baha Khateeb	Method of Connecting a Circular Concrete-Filled Steel Tubular Column to a Reinforced Concrete Footing	11605	6/12/2022	120420262	3/12/2020	<b>DIV</b> 16/706,593	6/12/2019	KSU	Engineering	SAIP
5	Abdullah Mohammed Al-Mayouf Matar Naif Al-Shalwi	Steel Panel with an Integrated Corrosion Sensor	11602	6/12/2022	120410506	12/3/2020	16/355,687	15/3/2019	KSU	Chemistry	SAIP
6	Mohd Aftab Alam Fahad Ibrahim Al-Jenoobi	Method of Preparing Low Dose Pharmaceutical Formulation	11601	6/12/2022	121420362	7/1/2021	16/738,364	9/1/2020	KSU	Pharmaceutical	SAIP
7	Zeyad Abdulwahid Haidar	Bladeless Wind Turbine	11600	6/12/2022	120410422	11/2/2020	16/276,509	14/2/2019	KSU	Engineering	SAIP
8	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Ortashi Meznah Mutarid Alanazi Fatimah Homoud Alkallas Raed Hussain Alhathlool Mervat Ali Zumia	Henna Mesoporous Silica Nanoparticles and Their Use as Anticancer Agents	11530	1/12/2023	120420304	14/12/2020	16/718,669	18/12/2019	KSU	Nanotechnology	SAIP
9	Zeyad Abdulwahid Haidar	Multi-Piston Blade Less Wind Turbine	11529	1/12/2023	121420406	28/1/2021	16/776,489	29/1/2020	KSU	Engineering	SAIP
10	Manal Ahmed Awad Ali Kanakhir Aldalbahi Khalid Mustafa Ortashi Taghrid Saad Alomar Najla Saad Almasoud	Method of Making Zinc Oxide Nanoparticles Using Red Sand	11498	28/11/2022	120420259	1/12/2020	16/701,115	2/12/2019	KSU	Nanotechnology	SAIP

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
11	Khalid Abdullah Alruhaimi	Dental Appliance-Holding Bracket Assembly	11497	27/11/2022	118400109	15/10/2018	15/789,511	20/10/2017	KSU	Dentist	SAIP
12	Tansir Ahamad Mu. Naushad Abdullah Al-Enizi Saad Alshehri	Method of Making a Porous Nitrogen-Doped Carbon Electrode from Biomass	11416	16/11/2022	119400914	6/8/2019	16/118,379	30/8/2018	KSU	Chemistry	SAIP
13	Sara Mohammad Al Taweel	Kit for Measuring Vertical Dimension for Dental Restoration	11414	16/11/2022	119400373	16/1/2019	15/878,365	23/1/2018	KSU	Dentist	SAIP
14	Hisham AlMajed Ahmad AlMogren	System to Secure Encoding and Mapping on Elliptic Curve Cryptography (ECC)	11,502,818	15/11/2022			16/868,210	6/5/2020	KSU	Software	USPTO
15	Muhammad Khurram Khan Tengfei Wu Leng Lu	Methods and Systems for Implementing Secure Biometric Recognition	11,501,580	15/11/2022			17/708,692	30/3/2022	KSU	Software	USPTO
16	Khalid Abdullah Alruhaimi	Bony Bracket Screw	GC0011870	1/11/2022	GC2017/34248	14/11/2017	15/355,046	17/11/2016	KSU	Dentist	GCCPO
17	Ehab Salaheldin Mohamed	Variable Optical Splitter System	11033	2/10/2022	118400216	21/11/2018	15/822,075	24/11/2017	KSU	Engineering	SAIP
18	Abdulrahman Ibrahim Almansour Suresh Kumar Raju Arumugam Natarajan Rajapandiyam Krishnamoorthy Ali Abdullah Alshatwi	Spirooxindole-Pyrrolothiazole Heterocyclic Hybrids	11032	2/10/2022	120420043	9/9/2020	16/566,851	10/9/2019	KSU	Chemistry	SAIP
19	Hany Yehia Hatem Salama Ali Ebtessam Mohammed Al Olayan Manal Fawzy Elkhadragy Mohamed Serag Eldin Manal Ahmed Awad	A Method of Synthesizing Custard Apple Peel Nanoparticles	11031	2/10/2022	120420252	24/11/2020	DIV 16/696,018	26/11/2019	KSU	Agriculture	SAIP

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
20	Shaker Saeed Abdullah-Alaqel Nader Shalf Esmail Saleh Rageh Saadallah Ali Saeed Eldwin Djajadiwinata Abdulelah Ibrahim Alswaiyd Hany Abdulrahman Al-Ansary Sheldon Moseley Jeter Abdelrahman Mahmoud Elleathy Obida Mohamed Zeitoun Zeyad Abdurhman Alsuhaibani Syed Noman Danish Said Ibrahim Abdel-Khalik Saeed Mohammed Al-Zahrani	Particle-To-Working Fluid Heat Exchanger and Solar Power Generator Using the Same	11028	2/10/2022	121420600	25/3/2021	16/833,096	27/3/2020	KSU	Engineering	SAIP
21	Sumaya Omar Basudan	Root Canal Filling Material Marker	11026	2/10/2022	121420774	3/6/2021	16/894,739	5/6/2020	KSU	Dentist	SAIP
22	Husain Abbas Yousef Al-Salloum Tarek Almusallam Hussein Mohamed Elsanadedy Mohammad Alrubaidi	Strengthening System for Beam-Column Connection in Steel Frame Buildings to Resist Progressive Collapse	10992	27/9/2022	119410085	2/10/2019	16/152,229	4/10/2018	KSU	Engineering	SAIP
23	Sahar Asaad Alzain Ohood Turkistani	Facebow with Double Bite Forks	10991	27/9/2022	119400911	6/8/2019	16/120,132	31/8/2018	KSU	Dentist	SAIP
24	Suliman Saleem Al-Johany	Mobile Device System for Dispensing Oral Consumables	10990	27/9/2022	119410185	7/11/2019	16/192,025	15/11/2018	KSU	Engineering	SAIP
25	Husain Abbas Abdullah Alsabhan Yousef Al-Salloum Abobaker Binyahya	System for Constructing a Retaining Wall	10989	27/9/2022	120410343	8/1/2020	16/256,154	24/1/2019	KSU	Engineering	SAIP
26	Mohamed Ramy Abdel-Rahman Mohammad Abdulaziz Alduraibi Bouraoui Ilahi	Thermal Sensing Layer for Microbolometer and Method of Making the Same	10988	26/9/2022	120410380	28/1/2020	16/262,454	30/1/2019	KSU	Engineering	SAIP

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
27	Hany Mohamed Yehia Mohamed Fekry Serag El-Din Hateim Salama Ali Mohamed Saleh Alamri Wafa Abdullah Al-Megrin Manal Faw'zy Elkhadragy Manal Ahmed Awad	Synthesis of Black Eggplant (Solanum Melongena) Skin Antioxidant Nanoparticles	10987	26/9/2022	120410658	7/5/2020	16/408,992	10/5/2019	KSU	Chemistry	SAIP
28	Veeramani Chinnadurai Khalid Al-Numair Mohammed Alsaif	Fruit-Derived Core-Shell Nanospheres	10986	26/9/2022	120420130	13/10/2020	16/656,532	17/10/2019	KSU	Chemistry	SAIP
29	Naiyf Sultan Helial Alaloi Alharbi Jamal Mohammed Ali Khaled Mohamed Salah El-Din Hodhod Shine Moosa Kadaikunnan Ahmed Saad Alobaidi	Biosynthesis of Metal Nanoparticles	10985	26/9/2022	120420303	14/12/2020	DIV 16/716,449	16/12/2019	KSU	Chemistry	SAIP
30	Khalid Mustafa Ortashi Manal Ahmed Awad Awatif Ahmed Hendi	Method of Producing Eggshell-Derived Nanoparticles	10839	14/9/2022	120420037	7/9/2020	16/565,419	9/9/2019	KSU	Engineering	SAIP
31	R. Jothi Ramalingam Hamad Al Lohedan	Method of Preparing Biogenic Silver Nanoparticles	10838	14/9/2022	121420345	3/1/2021	16/734,152	3/1/2020	KSU	Chemistry	SAIP
32	Tarek Almusallam Husain Abbas Yousef Al-Salloum Aref Abadel	Multi-Leg Fiber Reinforced Concrete	10837	14/9/2022	119410134	22/10/2019	16/175,248	30/10/2018	KSU	Engineering	SAIP
33	Rabab Abd El Moneim El Dib Shaza Mohamed Al-Massarani Manal Ahmed Awad Ali Ali El-Gamal	Synthesis of Ursolic Acid Nanoparticles	10808	13/9/2022	120420012	24/8/2020	DIV. 16/552,670	27/8/2019	KSU	Physics	SAIP
34	Rabab Abd El Moneim El Dib Shaza Mohamed Al-Massarani Manal Ahmed Awad Ali Ali El-Gamal	Synthesis of Ursolic Acid Nanoparticles	10807	13/9/2022	120420010	24/8/2020	DIV. 16/552,351	27/8/2019	KSU	Physics	SAIP

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
35	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Ortashi Amnah Bader Alanazi Batoool Ali Alzhrani Dina Wafiq Soliman	Synthesis of Silver-Pmma Nanocomposite Film	10511	4/8/2022	119400650	15/4/2019	15/957,666	19/4/2018	KSU	Physics	SAIP
36	Mohd Aftab Alam Fahad Ibrahim Al-Jenoobi Abdullah M. Al-mohizea	Measuring Cup	10467	28/7/2022	119410234	25/11/2019	DIV. 16/202,212	28/11/2018	KSU	Pharmaceutical	SAIP
37	Abdullah Saeed Alayad	Elastically Tensioned Dental Matrix Wedge	10466	28/7/2022	119400611	2/4/2019	15/944,739	3/4/2018	KSU	Dentist	SAIP
38	Tariq Abdulrahman Alshawi Asma'a Abdurrahman Al-Ekrish Saleh Abdullah Alshebeili	Method of Tracking and Navigation for a Dental Instrument	10465	28/7/2022	119400520	6/3/2019	15/918,853	12/3/2018	KSU	Dentist	SAIP
39	Qazi Emad Ul Haq Muhammad Hussain Hatim Abdulrehman Aboalsamh	Method of Classifying Raw EEG Signals	10464	28/7/2022	119400424	3/2/2019	15/889,110	5/2/2018	KSU	Software	SAIP
40	Hourya Sanat Al Nofaie	Surgical Guide Tool for Single Dental Implant Positioning	10463	28/7/2022	119410184	7/11/2019	16/190,487	14/11/2018	KSU	Dentist	SAIP
41	Zeyad Abdulwahid Haidar Jamel Orfi	Solar Desalination System	10462	28/7/2022	119410149	28/10/2019	16/178,398	1/11/2018	KSU	Rationalization and Desalination	SAIP
42	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Ortashi	Synthesis of Adansonia Digitata Nanoparticles	10461	28/7/2022	118390410	6/3/2018	15/452,688	7/3/2017	KSU	Physics	SAIP
43	Mohd Aftab Alam Fahad Ibrahim Al-Jenoobi Abdullah M. Al-mohizea	Measuring Cup	10460	28/7/2022	119410232	25/11/2019	DIV. 16/203,132	28/11/2018	KSU	Pharmaceutical	SAIP
44	Mohd Aftab Alam Fahad Ibrahim Al-Jenoobi Abdullah M. Al-mohizea	Measuring Cup	10459	28/7/2022	119410237	25/11/2019	DIV. 16/201,815	27/11/2018	KSU	Pharmaceutical	SAIP
45	Mohd Aftab Alam Fahad Ibrahim Al-Jenoobi Abdullah M. Al-mohizea	Measuring Cup	10458	28/7/2022	119410235	25/11/2019	DIV. 16/202,950	28/11/2018	KSU	Pharmaceutical	SAIP
46	Mohd Aftab Alam Fahad Ibrahim Al-Jenoobi Abdullah M. Al-mohizea	Measuring Cup	10457	28/7/2022	119410236	25/11/2019	DIV. 16/202,654	28/11/2018	KSU	Pharmaceutical	SAIP
47	Mohd Aftab Alam Fahad Ibrahim Al-Jenoobi Abdullah M. Al-mohizea	Measuring Cup	10456	28/7/2022	119410238	25/11/2019	DIV. 16/202,349	28/11/2018	KSU	Pharmaceutical	SAIP

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
48	Abdulrahman Alhozaimy Raja Rizwan Hussain Abdulaziz Al-Negheimish Devendra Deo Narain Singh	Additive for Reinforced Concrete	11,384,016	12/7/2022			17/516,636	1/11/2021	KSU	Engineering	USPTO
49	Abdulrahman Alhozaimy Raja Rizwan Hussain Abdulaziz Al-Negheimish	Corrosion-Preventing Additive for Reinforced Concrete	11,384,015	12/7/2022			17/530,263	18/11/2021	KSU	Engineering	USPTO
50	Ali Mohamad Alsamhan Ahmed Nageeb Badwelan	Method of Friction Stir SAIPt Welding	10003	15/5/2022	120410551	7/4/2020	16/380,942	10/4/2019	KSU	Engineering	SAIP
51	Mohamad Saleh Alsalhi Sandhanasamy Devanesan Akram Ahmed Alfuraydi Mysoon M.F. Al-Ansari	Synthesis of Silver Nanop Articles Using Sesame Oil Cake	10000	15/5/2022	118390616	17/5/2018	15/599,429	18/5/2017	KSU	Physics	SAIP
52	Ali Ali Elgamal Manal Ahmed Awad Rabab Abd Moneim El Dib Shaza Mohamed Al-Massarani Omer Ahmed Basudan	Green Synthesis of Katononic Acid Nanosheets	9998	15/5/2022	119400499	26/2/2019	15/909,939	1/3/2018	KSU	Physics	SAIP
53	Abd El-Galil Amr Mohamed Al-Omar Ahmed Naglah	Pentacyclic Triterpenoidal Derivatives	9997	15/5/2022	118400025	17/9/2018	15/710,721	20/9/2017	KSU	Pharmaceutical	SAIP
54	Javed Alam Arun Kumar Shukla Ali Kanakhir Aldalbahi Mansour Alhoshan	Method of Making an Asymmetric Polyvinylidene Difluoride Membrane	9995	15/5/2022	120410571	12/4/2020	16/387,418	17/4/2019	KSU	Nanotechnology	SAIP
55	Abdulrahman Al-Ahmari Abdullah Yahia Alfaify Mohamed Hamid Hamid	Adjustable Build Envelope for Powder Bed Fusion Machines	9994	15/5/2022	119400500	26/2/2019	15/909,933	1/3/2018	KSU	Engineering	SAIP
56	Khalid Abdullah Alruhaimi	Universal Base Attachment Bit and Cutting Bit Assembly	9993	15/5/2022	119410111	10/10/2019	16/163,177	17/10/2018	KSU	Dentist	SAIP
57	Hany Hassan Aly Sayed Thamer Ali Albahkali Mohamed Elsayed Bassuni	Bed with Retractable Side Extension	9992	15/5/2022	120420082	24/9/2020	16/583,214	25/9/2019	KSU	Engineering	SAIP
58	Faisal Saud Fakhouri Abdulaziz Saud Fakhouri Justo Juvian Torres-Rodriguez	Pneumatic Actuator for Dispensing Surgical Staples	9932	8/5/2022	118390484	29/3/2018	15/729,515	10/10/2017	KSU	Medical	SAIP

## ▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
59	Abdulrahman Abdullah Alshammaa Abdullah Mohammed Noman Khaled Ebraheem Addoweesh Ayman Abdullah Alabduljabbar Abdulrahman Ibrahim Alolah	Multilevel Cascade Hexagonal Voltage Source Converter with Isolated DC Sources	9931	8/5/2022	118400024	17/9/2018	15/709,282	19/9/2017	KSU	Engineering	SAIP
60	Mohd Aftab Alam Fahad Al-Jenoobi	Apparatus and Method for Testing the Ability of Materials to Protect Photolabile Materials	9930	8/5/2022	119400573	24/3/2019	15/937,464	27/3/2018	KSU	Pharmaceutical	SAIP
61	بندر سعود حود الدحيم	لون مائي بتقنية النانو	9929	8/5/2022	119400778	16/8/2019			KSU	Nanotechnology	SAIP
62	Sahar Faisal Al Barakati Bader Khalid Al Balkhi	Orthodontic Cinch Back Instrument	9756	13/4/2022	118400186	11/11/2018	15/811,320	13/11/2017	KSU	Dentist	SAIP
63	Manal Ahmed Awad Manal Mohammed Alkhulaifi Ali Kanakhir Aldalbahi Noura Saleem Aldosari Shaykha Mohahimaed Alzahly	Method of Synthesizing Antimicrobial Silver Nanoparticles Using Pigeon Dung	9750	13/4/2022	120410428	18/2/2020	16/282,589	22/2/2019	KSU	Physics	SAIP
64	Manal Ahmed Awad Rabia Qindeel Khalid Mustaf'a Ortashi Awatif Ahmed Hendi	Method of Producing Silica Nanoparticles Using Sand	9728	10/4/2022	120410409	5/2/2020	16/271,310	8/2/2019	KSU	Physics	SAIP
65	Fahad Al-Jenooui Mohd Aftab Alam Mohamed Al-Agamy	Method for Preventing, Treating, or Ameliorating a Microbial Infection	9727	10/4/2022	119410171	4/11/2019	16/182,906	7/11/2018	KSU	Pharmaceutical	SAIP
66	Abdulmonem Alsiddiky Raheef Alatassi Abdullah Bin Dous	Hip Spica Cast Application Stand	9726	10/4/2022	119410029	8/9/2019	16/131,796	14/9/2018	KSU	Medical	SAIP
67	Mohd Aftab Alam Fahad Ibrahim Al-Jenoobi Mohamed Hamed Al-Agamy	Apparatus for Inoculating Agar Plate	9725	10/4/2022	119410036	10/9/2019	16/134,915	18/9/2018	KSU	Pharmaceutical	SAIP

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
68	Mohamed Zoubir Bendjaballah	Custom-Fitting Collar Sleeve Backing for Commercial Hip Protheses	9724	10/4/2022	118400096	9/10/2018	15/782,493	12/10/2017	KSU	Medical	SAIP
69	Manal Ahmed Awad Promy Virk Rabia Qindeel Khalid Mustaf'a Ortashi Mai Aruelrahman Elobeid	Synthesis of Mustard Seed Nanoparticles	9723	10/4/2022	120410408	5/2/2020	16/270,914	8/2/2019	KSU	Physics	SAIP
70	Ayman El-Faham Zeid ALOthman Sameh Mahmoud Osman	Synthesis of Metal Nanoparticles Using Modified Mpeg Polymer	9722	10/4/2022	118390458	20/3/2018	15/465,230	21/3/2017	KSU	Chemistry	SAIP
71	Ali Abdullah Alshatwi Jegan Athinarayanan Periasamy Vaiyapuri Subbarayan	Fortified Date Fruit Product	9721	10/4/2022	119400905	4/8/2019	<b>DIV.</b> 16/106,648	21/8/2018	KSU	Agriculture	SAIP
72	Muhammad Khurram Khan Wazir Zada Khan	Device for Facilitating Managing Cyber Security Health of a Connected and Autonomous Vehicle (CAV)	11,271,971	8/3/2022			17/206,487	19/3/2021	KSU	Software	USPTO
73	Zeyad Abdulwahid Haidar	Solar Desalination and Power Generating System	9437	28/2/2022	119400747	16/5/2019	15/988,804	24/5/2018	KSU	Rationalization and Desalination	SAIP
74	Amro Al-Habib Abdulrahman Al-Ahmari Wadea Ameen	Lumbar Spine Pedicle Screw Guide	9436	28/2/2022	118390582	6/5/2018	15/591,041	9/5/2017	KSU	Medical	SAIP
75	Abdullah Mohammed Noman Abdulraman Abdullah Alshammaa Khaled Ebraheem Addoweesh Ayman Abdullah Alabduljabbar Abdulrahman Ibrahim Alolah	Hybrid CHB-TVSI Multilevel Voltage Source Inverter	9435	28/2/2022	118400222	22/11/2018	15/823,192	27/11/2017	KSU	Engineering	SAIP

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
76	Abdulrahman Almansour Natarajan Arumugam Raju Suresh Kumar Periasamy Vaiyapuri Subbarayan Ali Abdullah Alshatwi Jegan Athinarayanan	Anti-Cancer Agents	9434	28/2/2022	118390443	15/3/2018	15/462,744	17/3/2017	KSU	Agriculture	SAIP
77	Saad Abdulmohsen Alabdulkarim	Assistive Device for Heavy Tool Operation	9393	16/2/2022	119410207	18/11/2019	16/196,201	20/11/2018	KSU	Engineering	SAIP
78	Asma'a Abdurrahman Al- Ekrih Shouq Abdullah Jurays	Intraoral Attachment Clip for Attachment of Objects to Edentulous Ridges	9377	13/2/2022	119410239	25/11/2019	16/202,052	27/11/2018	KSU	Dentist	SAIP
79	Ali Abdullah Alshatwi Jegan Athinarayanan Periasamy Vaiyapuri Subbarayan	Fortified Date Fruit Product	9335	3/2/2022	118400038	20/9/2018	15/715,797	26/9/2017	KSU	Agriculture	SAIP
<b>2021</b>											
80	Rabab Abd El Moneim El Dib Shaza Mohamed Al- Massarani Manal Ahmed Awad Ali Ali El-Gamal	Method of Synthesizing of 3- Oxolupenal Nanoparticles	9005	5/12/2021	118400112	17/10/2018	15/788,181	19/10/2017	KSU	Chemistry	SAIP
81	Abdullah Al-Enizi Tansir Ahamad Saad Alshehri Mu Naushad	Oxygen Reduction Reaction Electrocatalyst	9003	5/12/2021	118400265	6/12/2018	15/839,693	12/12/2017	KSU	Chemistry	SAIP
82	Lama Ahmed Al-Kahlan	Dental Education Model	8993	1/12/2021	119400335	3/1/2019	15/864,744	8/1/2018	KSU	Dentist	SAIP
83	Rajabathar Jothi Ramalingam Hamad Al-Lohedan	Composite Electrode Material for Supercapacitors	8982	30/11/2021	118400040	20/9/2018	15/717,646	27/9/2017	KSU	Chemistry	SAIP
84	Mohammed Saad Ahmed Al Thkafi	Three Stages Evaporative Cooler with Humidity Control	8981	30/11/2021	116370323	17/2/2016			KSU	Engineering	SAIP

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
85	Mu Naushad Ayoub Abdullah Alqadam Tansir Ahamad Zeid Abdullah Alothman Saad Alshehri	Carboxylic Functionalized Magnetic Nanocomposite	8980	30/11/2021	118400070	1/10/2018	15/722,898	2/10/2017	KSU	Chemistry	SAIP
86	Promy Virk Manal Ahmed Awad Mai Abdelrahman Elobeid Khalid Mustafa Ortashi Awatif Ahmed Hendi	Fabrication of Probiotics Nanowhiskers Using Cheese	8978	30/11/2021	119410028	8/9/2019	16/127,470	11/9/2018	KSU	Physics	SAIP
87	Heba Abdullatif Kurdi Mohannad Yousef Abdulghani	Baggage Handling and Delivery System	8870	2/11/2021	119410265	3/12/2019	16/216,860	11/12/2018	KSU	Software	SAIP
88	Nagy Mahmoud Hassan Khalifa Mohamed Al-Omar Abd El-Galil Amr	Substituted Naphthyridinyl Hydrazines as Anti-Liver Cancer Agents	8869	2/11/2021	118390634	24/5/2018	15/607,397	26/5/2017	KSU	Pharmaceutical	SAIP
89	Amani S. Awaad Reham El-Meligy Mohamed Sobhy Marzouk Shroog Mohamed Alotaiby	Extracts and Isolated Compounds from Cakile Arabica for Treatment of Ulcer	11,147,848	19/10/2021	<b>DIV.</b> 16/299,683	12/3/2019	15/422,614	2/2/2017	KSU	Pharmaceutical	USPTO
-	Talal Ghannam	Surface Plasmon-Based Nanosensors and Systems and Methods for Sensing Photons and Chemical or Biological Agents	EP 2781909	29/9/2021			EP 13159918.5	19/3/2013	KSU	Nanotechnology	EPO
90	Talal Ghannam	Surface Plasmon-Based Nanosensors and Systems and Methods for Sensing Photons and Chemical or Biological Agents	EP 2781909	29/9/2021			EP 13159918.5	19/3/2013	KSU	Nanotechnology	DPMA
91	Talal Ghannam	Surface Plasmon-Based Nanosensors and Systems and Methods for Sensing Photons and Chemical or Biological Agents	EP 2781909	29/9/2021			EP 13159918.5	19/3/2013	KSU	Nanotechnology	INPI

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
92	Talal Ghannam	Surface Plasmon-Based Nanosensors and Systems and Methods for Sensing Photons and Chemical or Biological Agents	EP 2781909	29/9/2021			EP 13159918.5	19/3/2013	KSU	Nanotechnology	UKIPO
93	Abdulmonem Alsiddiky Raheef Alatassi	Surgical Retractor with Suction	8717	27/9/2021	119400748	16/5/2019	15/987,674	23/5/2018	KSU	Medical	SAIP
94	Safa Mohammed Al-Rashed Hanan Nejer Sahil Alotaibi	Device for Verifying Parallelism of Abutment Teeth for Dental Appliance Insertion	8716	27/9/2021	117390203	24/12/2017	15/393,078	28/12/2016	KSU	Dentist	SAIP
95	Mohd Aftab Alam	Dispensing Device	8715	27/9/2021	118390328	5/2/2018	15/426,003	6/2/2017	KSU	Pharmaceutical	SAIP
96	Hamad Zaid Alkhathlan Merajuddin Khan Mahmood Abdullah Abdullah Al-Mayouf	Method of Protecting Metal from Corrosion Using Plant-Derived Anti-Corrosion Agents	8714	27/9/2021	118400111	17/10/2018	15/788,555	19/10/2017	KSU	Chemistry	SAIP
97	Eman Mohammed Bin Saleh	Ear-Mounted Dental Mirror Support	8713	27/9/2021	119410009	3/9/2019	16/124,125	6/9/2018	KSU	Dentist	SAIP
98	Mohammad Iqbal Khan Galal Fares	Low Cement Content Strain-Hardening Cementitious Composite	8637	14/9/2021	119410017	4/9/2019	16/125,627	6/9/2018	KSU	Engineering	SAIP
99	Ali Abdullah Alshatwi Jegan Athinarayanan Vaiyapuri Subbarayan Periasamy	Method of Fabricating Nanostructures from Fish Waste	8636	14/9/2021	119410087	2/10/2019	16/154,117	8/10/2018	KSU	Agriculture	SAIP
100	Mohamad Saleh Alsalhi Sandhanasamy Devanesan	Synthesis of Silver Nanoparticles from Abelmoschus Esculentus Extract	8635	14/9/2021	118400086	8/10/2018	15/730,653	11/10/2017	KSU	Physics	SAIP
101	Ayman Atta Mahmood Abdullah Hamad Al-Lohedan Abdelrahman Ezzat Mohamed Hasan Wahby	Modification of Sand with Superhydrophobic Silica/Wax Nanoparticles	8634	14/9/2021	119400615	3/4/2019	15/945,680	4/4/2018	KSU	Chemistry	SAIP

## ▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
102	Nabil Ahmed Al-Zaqri Ismail Khalil Warad Ali Mohammed Alsalme Mujeeb Abdullah Sultan	Method of Making Palladium Nanoparticles	8633	14/9/2021	118400050	25/9/2018	15/715,008	25/9/2017	KSU	Chemistry	SAIP
103	Saad Alshehri Tansir Ahamad	Magnetic Adsorbent for Organic Pollutant Removal	8632	14/9/2021	118400051	25/9/2018	15/715,022	25/9/2017	KSU	Chemistry	SAIP
104	Usman Ali Rana Arfat Anis Ayman Nafady Saeed Al-Zahrani	Nitrogen and Phosphorus Co-Doped Crystalline Carbon Materials	8630	14/9/2021	118400011	13/9/2018	15/709,330	19/9/2017	KSU	Engineering	SAIP
105	Mohammad Ibrahim Alwabel Jamal Tagelsir Elsheikh Adel Rabie Usman	Encapsulated Sustained Release Urea Fertilizer	8406	4/8/2021	118400030	18/9/2018	15/710,735	20/9/2017	KSU	Agriculture	SAIP
106	Fahad Khshim Alqahtani	Recycled Plastic Aggregate for Use in Concrete	8404	4/8/2021	118390726	18/7/2018	<b>DIV.</b> 15/656,066	21/7/2017	KSU	Engineering	SAIP
107	Ibrahim Ali Sumaily	Self-Retaining Nasal Septum Retractor	8381	28/7/2021	119410016	4/9/2019	16/124,130	6/9/2018	KSU	Medical	SAIP
108	Sahar Asaad Alzain	Cheek and Tongue Retractor	8380	28/7/2021	118400149	31/10/2018	15/801,222	1/11/2017	KSU	Dentist	SAIP
109	Aymanm Atta Hamad Al-Lohedan Abdelrahman Ezzat Mahmood Abdullah	Synthesis of Bimetallic Oxide Nanocomposites Using Poly (IONIC LIQUID)	8379	28/7/2021	118390457	20/3/2018	15/466,597	22/3/2017	KSU	Chemistry	SAIP
110	Ayman Atta Mahmood Abdullah Hamad Al-Lohedan	Composition and Method for Enhanced Oil Recovery	8378	28/7/2021	118390626	22/5/2018	15/603,378	23/5/2017	KSU	Chemistry	SAIP
111	Nagy Mahmoud Khalifa Mohamed Al-Omar Hamad Alkahtani Ahmed Bakheit	Pyrido[2,3-d]Pyrimidines as Anticancer Agents	8377	28/7/2021	119400612	2/4/2019	15/944,734	3/4/2018	KSU	Pharmaceutical	SAIP
112	Sara Mohammad Al Taweel Hanan Nejer Sahil Alotaibi Huda Ahmed Hanash Alshehri	Bite Registration Block and Bite Registration Kit Including the Same	8376	28/7/2021	117380709	30/5/2017	15/169,708	31/5/2016	KSU	Dentist	SAIP

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
113	Hanan Nejer Sahil Alotaibi Sara Mohammad Al Taweel	Centric Relation Bite Registration Tool	8375	28/7/2021	117380712	30/5/2017	15/169,706	31/5/2016	KSU	Dentist	SAIP
114	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Ortashi Amel Laref Nawal Ahmad Madkhali Hajar Abdullah Aldakhil Fatmah Yahia Al-Abbas Lena Jassim	Synthesis of Reduced Graphene Oxide Nanoparticles	8372	27/7/2021	118390374	21/2/2018	15/442,606	24/2/2017	KSU	Physics	SAIP
115	M. Adel Zakri Abdullah Abdulaziz Al- Doss Mohammed Ali Al-Saleh Ahmed Abd Elrahim Ali Basem Sayed Abbas Ahmed	Nanobody Against Begomoviruses	8370	27/7/2021	118400188	11/11/2018	15/815,569	16/11/2017	KSU	Agriculture	SAIP
116	Refat Ahmed El-Sheikhy Mosleh Ali Al-Shamrani	Method of Extinguishing or Retarding Fire Using Nano-Clay	8369	27/7/2021	117390095	2/11/2017	15/343,166	3/11/2016	KSU	Engineering	SAIP
117	Saad Alshehri Tansir Ahamad Mu Naushad Jahangeer Ahmed Zeid Al-Othman	Method for Preparing an Adsorbent for Removing Organic Dyes from Water	8368	27/7/2021	117390140	27/11/2017	15/364,233	29/11/2016	KSU	Chemistry	SAIP
118	Ayoub Abdullah Alqadami Moonisali Khan Zeid Abdullah Alothman Ibrahim Hotan Alsohami Mazoom Raza Siddiqui Ayman A. Ghfar	Magnetic Polymer Nanocomposite for Removal of Divalent Heavy Metal Ions from Water	8367	27/7/2021	119410035	10/9/2019	16/137,472	20/9/2018	KSU	Chemistry	SAIP
119	Shafaat Ahmed Salahudeen Othman Y. Alothman Rabeh H. Elleithy	Internal Batch Mixer with Three- Wing Non- Intermeshing Rotors	8366	27/7/2021	117390016	2/10/2017	15/287,627	6/10/2016	KSU	Engineering	SAIP
120	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Osman Ortashi	Flexible Solar Panel	8365	27/7/2021	117380585	9/4/2017	15/098,242	12/4/2016	KSU	Physics	SAIP

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
121	Rabab Abd El Moneim El Dib Shaza Mohamed Al-Massarani Manal Ahmed Awad Ali Ali El-Gamal	Synthesis of Ursolic Acid Nanoparticles	8364	27/7/2021	119410233	25/11/2019	16/202,046	27/11/2018	KSU	Physics	SAIP
122	Mutasim Ibrahim Khalil Ibrahim Mutasim Ibrahim	Green Method for Coating a Substrate with Silver Nanoparticles	8363	27/7/2021	118390365	19/2/2018	15/439,913	22/2/2017	KSU	Chemistry	SAIP
123	Ahmed Mohammed Nabawy Elsayed Mohmed Sherif Khalil Abdelrazek Khalil	Method of Preparing a Metal Matrix Nanocomposite	8362	27/7/2021	118390442	15/3/2018	15/462,459	17/3/2017	KSU	Engineering	SAIP
124	Afnan Fouzan Alfouzan	Electric Toothbrush Holder for Laboratory Use	8253	7/7/2021	117390164	11/12/2017	15/378,007	13/12/2016	KSU	Dentist	SAIP
125	Mutasim Khalil Mustafa Abdalla Salih Ali Ahmed Mustafa Ali	Extract of Vicia Faba Beans	8252	7/7/2021	119410057	19/9/2019	16/145,090	27/9/2018	KSU	Chemistry	SAIP
126	Abdulrahman Almansour Raju Suresh Kumar Natarajan Arumugam Kotresha Dupadahalli Jose Carlos Menendez	Anti-Cancer Compound	8251	7/7/2021	119410056	19/9/2019	16/143,875	27/9/2018	KSU	Chemistry	SAIP
127	Mashooq Ahmad Bhat Mohamed Al-Omar	Antihepatotoxic Agents	8250	7/7/2021	118400092	9/10/2018	15/782,462	12/10/2017	KSU	Pharmaceutical	SAIP
128	Syed Farooq Adil Mohammed Rafiq Siddiqui Saad Hamad Alabbad Abdurrahman Al-Warthan Mujeeb Yousuf Khan Muhsir Moidu Kuniyil	Titania-Supported Mixed Metal Oxide Catalyst	11,052,379	6/7/2021			16/932,909	20/7/2020	KSU	Chemistry	USPTO
129	Amani Shafeek Awaad Menatallah Mohamed Allah Lara Ayman El-Sawaf Reham Mostafa El-Meligy Fatmah Ali Al-Asamary	Anticancer Extracts of Alpinia Officinarum Hance	8230	4/7/2021	119400372	16/1/2019	15/878,367	23/1/2018	KSU	Pharmaceutical	SAIP

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
130	Saad Alshehri Tansir Ahamad Mu Naushad Jahangeer Ahmed Zeid Al-Othman	Method for Preparing Adsorbent for Removing Organic Pollutants from Water	8229	4/7/2021	117390141	27/11/2017	15/364,221	29/11/2016	KSU	Chemistry	SAIP
131	Abd El-Galil Amr Mohamed Al-Omar Abdulrahman Almehezia Ahmed Naglah	Sulfonylurea Derivatives of Oleanolic Acid	8228	4/7/2021	119400761	26/5/2019	15/991,916	29/5/2018	KSU	Pharmaceutical	SAIP
132	Sartaj Tabassum Hamad Al-Lohedan Hazem Ghabour Mohd Sajid Ali Rais Ahmad Khan Fohad Mabood Husain	Anti-Quorum and DNA Cleaving Agent	8227	4/7/2021	118400087	8/10/2018	15/730,637	11/10/2017	KSU	Chemistry	SAIP
133	Abd El-Galil Amr Mohamed Alomar Abdulrahman Almehezia Mohammed Mater Alanazi Nawaf Abdulaziz Alsaif Ahmad Jomah Obaidullah	Ursolic Acid Derivatives	8226	4/7/2021	119410260	2/12/2019	16/208,849	4/12/2018	KSU	Pharmaceutical	SAIP
134	Amani Shafeek Awaad Shekhah Saud Almoqren Amalahmed Safhi Yara Mohamed Zain Reham Mostafa El-Meligy Fatmah Ali Al-Asamary	Gastroprotective Extracts of Sonchus Oleraceus L.	8192	23/6/2021	119400384	21/1/2019	15/881,653	26/1/2018	KSU	Pharmaceutical	SAIP
135	Mashooq Ahmad Bhat Mohamed A. Al-omar	Dihydropyrimidinone Derivatives	8191	23/6/2021	119400352	15/1/2019	15/871,927	15/1/2018	KSU	Pharmaceutical	SAIP
136	Nabil Ahmed Al-Zeqri Ismail Khalil Warad Firas Fandi Awwadi Ali Mohammed Alsalme Anas Khaled Abed Alali Abdelkader Zarrouk	Method of Synthesizing (E)-1,2-Di(Pyridin-2-Yl)Ethene-1,2-Diol	8190	23/6/2021	119400329	1/1/2019	15/860,578	2/1/2018	KSU	Chemistry	SAIP
137	Abd El-Galil Amr Mohamed Al-Omar Abdulrahman Almehezia	Abietic Acid Derivatives as Anti-Tumor Agents	8189	23/6/2021	119400436	7/2/2019	15/897,912	15/2/2018	KSU	Pharmaceutical	SAIP
138	Jothi Ramalingam Rajabathar Hamad Abdullah Al-Lohedan Judith Vijaya M. Sivachidambaram	Method of Making a Supercapacitor Using Porous Activated Carbon from Cow Dung	8188	23/6/2021	119400651	15/4/2019	15/960,388	23/4/2018	KSU	Chemistry	SAIP

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
139	Naif Abdullahal-Dhabi Savarimuthu Ignacimuthu P. Pandikumar Erenius Toppo Sylvester Darwin	Isoandrographolide -19-Propionate for Treatment of Non- Alcoholic Fatty Liver Disease (NAFLD)	8185	23/6/2021	119400336	3/1/2019	15/864,704	8/1/2018	KSU	Biology	SAIP
140	Jothi Ramalingam Siva Chidambaram Judith Vijaya Hamad Al-Lohedan	Method of Making a Porous Nano- Carbon Electrode from Biomass	8184	23/6/2021	119400351	15/1/2019	15/872,892	16/1/2018	KSU	Chemistry	SAIP
141	Manal Ahmed Awad Rabab Abd El Moneim El Dib Shaza Mohamed Al- Massarani Ali Ali El-Gamal	Synthesis of Nuxia Oppositifolia Nanoparticles	8148	16/6/2021	118390649	30/5/2018	15/611,768	1/6/2017	KSU	Physics	SAIP
142	Amani Shafeek Awaad Mohamed El-Desouky Zain Reham El-Meligy Nour Khaled Al-Anazi Monerah Rashed Alothman	Method for Treating Candidiasis	8147	16/6/2021	117380466	5/3/2017	15/064,493	8/3/2016	KSU	Pharmaceutical	SAIP
143	Promy Virk Nouf Abdallah Al-Gi-lamdi Manal Ahmed Awad Mai Abdelrahman Elobeid Awatif Ahmed Hendi Lulwah Saleh Al-Hassan	Synthesis of Naringenin Nanoparticles	8146	16/6/2021	117380634	25/4/2017	15/141,781	28/4/2016	KSU	Physics	SAIP
144	Sahar Faisal Albarakati Bader Khalid Albalkhi	Orthodontic Hand Instrument	8145	16/6/2021	117390177	17/12/2017	15/384,177	19/12/2016	KSU	Dentist	SAIP
145	Reem Siraj Alsulaimani Sara Nasser Aldosary	Integral Restoration Matrix System	8144	16/6/2021	118400223	22/11/2018	15/828,124	30/11/2017	KSU	Dentist	SAIP
146	Ali Abdullah Alshatwi Jegan Athinarayanan Periasamy Vaiyapuri Subbarayan Khalid Abdulkarim Alatiah	Method of Producing Cellulose Nanostructures	8143	16/6/2021	117390093	2/11/2017	15/343,163	3/11/2016	KSU	Agriculture	SAIP
147	Mohammed Taher Bukhary Ferdous Taher Bukhary Sahar Faisal Sharaf Albarakati	Orthodontic Bracket	8142	16/6/2021	117380528	27/3/2017	15/084,432	29/3/2016	KSU	Dentist	SAIP
148	Hany Al-Ansary Kevin Schoonover Said Abdel-Khalik	Nozzle Apparatus and Method	8141	16/6/2021	117380653	2/5/2017	15/148,467	6/5/2016	KSU	Rationalization and Desalination	SAIP

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
149	Mashooq Ahmad Bhat Mohamed Al-Omar	Dihydropyrimidinone Derivatives	8112	9/6/2021	118390677	7/6/2018	15/628,476	20/6/2017	KSU	Pharmaceutical	SAIP
150	Nagy Mahmoud Khalifa Mohamed A. Al-omar	Substituted Pyrazole Derivative	8111	9/6/2021	119400353	15/1/2019	15/871,943	15/1/2018	KSU	Pharmaceutical	SAIP
90	Mahmoud Saeed Abdullah Ayman Atta Hamad Al-Lohedan Hamad Alkathlan Merajuddin Khan Abdulrahman Ezzat	Biosynthesized Magnetic Metal Nanoparticles for Oil Spill Remediation	8110	9/6/2021	118400009	12/9/2018	15/705,191	14/9/2017	KSU	Chemistry	SAIP
91	Sartaj Tabassum Hasan Hamad Al-lohedan	Combination Microarray Patch for Drug Delivery and Electrochemotherapy Device	8109	9/6/2021	118400083	7/10/2018	15/729,490	10/10/2017	KSU	Chemistry	SAIP
92	Ayman Atta Mahmoud Abdullah Hamad Al-Lohedan	Hydrophobic Nanoparticle Compositions for Crude Oil Collection	8108	9/6/2021	119400652	15/4/2019	15/959,074	20/4/2018	KSU	Chemistry	SAIP
93	Hend Suliaman Al-Khalifa Sara Al-Siyat Maram Al-Harathi Fajer Al-Bakiri	Interactive Arabic Alphabet Blocks	11,030,912	8/6/2021			16/137,458	20/9/2018	KSU	Software	USPTO
94	Hatem Salama Ali Reem Atta Alajmi Hany Yehia Mohamed Serag El-Din Manal Fawzy Elkhadragey Manal Ahmed Awad Dina Mahmoud Hasanin	Guava Seed (Psidium Guajava) Nanoparticles as Antibacterial	8099	7/6/2021	119400765	27/5/2019	16/003,042	7/6/2018	KSU	Agriculture	SAIP
95	Jothi Ramalingam Jesu Doss Judith Vijaya Hamad Al-Lohedan	Template-Free Method of Preparing Zeolites from Biomass	8098	7/6/2021	119400913	6/8/2019	16/118,373	30/8/2018	KSU	Chemistry	SAIP
96	Mashooq Ahmad Bhat Mohamed A. Al-omar	Dihydropyrimidinone Derivatives	8097	7/6/2021	119400368	15/1/2019	15/873,450	17/1/2018	KSU	Pharmaceutical	SAIP

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
97	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Ortashi Hany Mohamed Yehia Mohamed Mahmoud Ahmed Hatem Salama Ali Mohamed Fekry Serag El-Din Zeinab Korany Hassan	Method of Synthesizing Dour Nanoparticles	8096	7/6/2021	118400307	23/12/2018	15/855,332	27/12/2017	KSU	Physics	SAIP
98	Ali Ali El-Gamal Adnan Jathlan Al-Rehaily Manal Ahmed Awad Rabab Abd El Moneim El Dib Shaza Mohamed Al-Massarani	Synthesis of Nuxia Oppositifolia Nanoparticles	8095	7/6/2021	118400224	22/11/2018	15/826,018	29/11/2017	KSU	Chemistry	SAIP
99	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Ortashi Amel Laref	Green Synthesis of Reduced Graphene Oxide Using Nigella Sativa Seed Extract	8094	7/6/2021	118390613	16/5/2018	15/597,261	17/5/2017	KSU	Physics	SAIP
100	Yahia Nasser Mabkhot Jamal Mohammed Ali Khaled Mujeeb Abdullah Saeed Sultan Salim S. Al-Showiman Naiyf Sultan Helial Alaloi Alharbi Hazem Ahmed Ghabbour	Synthesis and Antimicrobial Use of a Trithiocarbonate Derivative	8093	7/6/2021	118390667	4/6/2018	15/615,765	6/6/2017	KSU	Chemistry	SAIP
101	Abd El-Galil Amr Mohamed Al-Omar Nagy Mahmoud Khalifa	Glycyrrhetic Acid Derivatives	8092	7/6/2021	118400023	17/9/2018	15/711,926	21/9/2017	KSU	Pharmaceutical	SAIP
102	Ayman Al-Jazaeri	Wound Closure Device	8061	2/6/2021	118400034	19/9/2018	15/714,986	25/9/2017	KSU	Medical	SAIP
103	Ahmed Naglah Abd El-Galil Amr Mohamed Alomar	Oleanolic Acid Methyl Ester Derivatives	8060	2/6/2021	118400187	11/11/2018	15/815,587	16/11/2017	KSU	Pharmaceutical	SAIP
104	Shaza Al-Massarani Rabab El Dib Ali Ali El-Gamal Manal Ahmed Awad	Synthesis of Ifflaionic Acid Nanoparticles	8059	2/6/2021	118400097	9/10/2018	15/785,277	16/10/2017	KSU	Chemistry	SAIP

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
105	Naif Abdullah Al-Dhabi Savarimuthu Ignacimuthu Chandrasekar Balachandran Veeramuthu Duraipandiyam	Process for Obtaining a Naphthoquinone Derivative from Streptomyces Sp.	8058	2/6/2021	118400264	6/12/2018	15/839,594	12/12/2017	KSU	Biology	SAIP
106	Nora Alsudairi Maram AlKahtani Lamia AlSiddiqi Raghad AlSarami	Beverage Mixing and Dispensing System	11,013,363	25/5/2021			17/015,240	9/9/2020	KSU	Medical	USPTO
107	Ali Abdullah Alshatwi Jegan Athinarayanan Periasamy Vaiyapuri Subbarayan	Fortified Date Fruit Product	11,006,659	18/5/2021			<b>DIV.</b> 16/106,648	21/8/2018	KSU	Agriculture	USPTO
108	Ali Aldalbahi Bushra Ibarahim Alabdullah Manal Ahmed Awad Shaykha Mohammed Alzahly Zainah All Alqahtani Shorouq Mohsen Alsaggaf Hessa Abdullah Aljasser Hind All Abdullah Alshehri	Copper Oxide Nanoparticles Synthesized Using Rhatany Root Extract	11,001,505	11/5/2021			16/903,183	16/6/2020	KSU	Nanotechnology	USPTO
109	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Ortashi Wadha Khalaf Alenazi	Synthesis of Titanium Dioxide Nanoparticles Using Origanum Majorana Herbal Extracts	7945	5/5/2021	119400673	21/4/2019	15/961,783	24/4/2018	KSU	Physics	SAIP
110	All Aldalbahi Raneem Aldawish Manal Ahmed Awad Noura Saleem Aldosari Reem Hamad Alshathri Leen Abdullah Aldwihi Raghad Alammari Khloud Ibrahim Bin Shogiran	Synthesis of Copper Oxide Nanoparticles	10,995,010	4/5/2021			16/913,336	26/6/2020	KSU	Nanotechnology	USPTO
111	Husain Abbas Tarek Almusallam Eid Shaja Alotaibi Yousef Al-Salloum	Hybrid Post-Installed Anchor for Concrete	10,982,443	20/4/2021			16/933,723	20/7/2020	KSU	Engineering	USPTO

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
112	Reem Atta Alajmi Nadin Mohamed Moubayed Manal Ahmed Awad Hany Mohamed Yehia Manal Fawzy Elkhadragy Ibrahim Abdullah Barakat Faten Nasser Alsaqabi Amany Zein Elabedein Elshahidy	Bee Venom Nanoparticles	10,980,843	20/4/2021			16/801,086	25/2/2020	KSU	Biology	USPTO
113	Thamer Ali Albahkali Hany Hassan Aly Sayed	Hospital Bed with Pivoting Side Rail	10,980,688	20/4/2021			16/810,784	5/3/2020	KSU	Engineering	USPTO
114	Mashooq Ahmad Bhat Mohamed Al-Omar Nawaf Abdulaziz Alsaif Syed Hidayathulla	Sulindac Derivatives	7883	19/4/2021	119410084	2/10/2019	16/151,291	3/10/2018	KSU	Pharmaceutical	SAIP
115	Kareem Youssif Mahmoud Zeid Alothman Ayman Sadek El-Faham	Functionalizable Monolithic Platforms	7849	11/4/2021	117380667	9/5/2017	15/151,469	10/5/2016	KSU	Chemistry	SAIP
116	Manal Ahmed Awad Mohamed Mahmoud Ahmed Othman A. Al-shabanah Zeinab Korany Hassan	Synthesis of Rutin Nanotubes	7848	11/4/2021	117390142	27/11/2017	15/364,225	29/11/2016	KSU	Physics	SAIP
117	Hany Yehia Reem Alajmi Hatem Salama Ali Manal Fawzy Elkhadragy Dina Metwally Mohamed Fekry Serag El-Din Manal Ahmed Awad	Methanol Extract of Grape Seed Nanoparticles	7847	11/4/2021	119410038	11/9/2019	16/137,466	20/9/2018	KSU	Agriculture	SAIP
118	Mohammad Rezaul Karim Muhammad Omer Aijaz Nabeel Al-Harhi	Antiseptic and Fragrance-Free Soap	7846	11/4/2021	118390581	6/5/2018	15/589,787	8/5/2017	KSU	Engineering	SAIP
119	Devanesan Sandhanasamy Mohamad Saleh Alsalhi Periyasami Govindasami Ali Kanakhir Aldalbahi	Method of Preparing Biologically Active Derivatives from Calotropis Gigantea Flowers	7845	11/4/2021	119400503	27/2/2019	15/911,009	2/3/2018	KSU	Physics	SAIP
120	Amani Shafeek Awaad Ahmed Mahmoud Alafify Reham Mostafa El-Meligy	Anti-Ulcerative Colitis Compound	7844	11/4/2021	117390096	2/11/2017	15/343,154	3/11/2016	KSU	Pharmaceutical	SAIP

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
121	Jegan Athinarayanan Ali Abdullah Alshatwi Vaiyapuri Subbarayan Periasamy	Method of Fabricating Biocompatible Cellulose Nanofibrils	7843	11/4/2021	118390585	8/5/2018	15/593,145	11/5/2017	KSU	Agriculture	SAIP
122	Mohammad Ahmad Alenezisaad Mohammad Ibrahim Alobaida	Endodontic Obturator for Bioactive Material Delivery	D 915,593	6/4/2021			29/670,502	16/11/2018	KSU	Dentist	USPTO
123	Hany Yehia Hatem Salama Ali Ebtesam Mohammed Al Olayan Manal Fawzy Elkhadragey Mohamed Serag Eldin Manal Ahmed Awad	A Method of Synthesizing Custard Apple Peel Nanoparticles	10,967,020	6/4/2021			16/376,231	5/4/2019	KSU	Agriculture	USPTO
124	Sarah Sultan Alangari	Multifunctional Dental Liner Applicator	10,959,809	30/3/2021			16/783,426	6/2/2020	KSU	Dentist	USPTO
125	Yousef Abdullah Almotlaq Mazen Baabbad Hany Alansary Essam Al Ammar	Solar Heating Apparatus	10,955,171	23/3/2021	<b>DIV.</b> 16/183,314	7/11/2018	15/786,458	17/10/2017	<b>KSU &amp; Qudra Energy Company</b>	Energy and renewable energy	USPTO
126	Yousef Abdullah Almotlaq Mazen Baabbad Hany Alansary Essam Al Ammar	Solar Heating Apparatus	10,955,170	23/3/2021	<b>DIV.</b> 16/183,013	7/11/2018	15/786,458	17/10/2017	<b>KSU &amp; Qudra Energy Company</b>	Energy and renewable energy	USPTO
127	Husain Abbas Yousef Al-Salloum Tarek Almusallam Nadeem Siddiqui Baha Khateeb	Method of Connecting a Circular Concrete-Filled Steel Tubular Column to a Reinforced Concrete Footing	10,954,672	23/3/2021	DIV 16/706,593	6/12/2019	16/233,755	27/12/2018	KSU	Engineering	USPTO
128	Husain Abbas Nadeem Siddiqui Baha Khateeb Tarek Almusallam Yousef Al-Salloum	System and Method for Connecting a Square Concrete-Filled Steel Tubular Column to a Reinforced Concrete Footing	10,954,662	23/3/2021			16/986,249	5/8/2020	KSU	Engineering	USPTO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
129	Rabab Abd El Moneim El Dib Shaza Mohamed Al-Massarani Manal Ahmed Awad Ali Ali El-Gamal	Synthesis of Ursolic Acid Nanoparticles	10,954,264	23/3/2021	<b>DIV.</b> 16/552,351	27/8/2019	16/202,046	27/11/2018	<b>KSU</b>	Physics	USPTO
130	Yasser Hussein Mohammed Nabil Ahmed Al-Zeqri Ali Mohammed Alsalme Faheh Ahmed Alharthi Ismail Khalil Warad Anas Khaled Alali Abdelkader Zarrouk	Anti-Angiogenesis Compound	10,954,200	23/3/2021			16/663,051	24/10/2019	<b>KSU</b>	Chemistry	USPTO
131	Rabab Abd El Moneim El Dib Shaza Mohamed Al-Massarani Manal Ahmed Awad Ali Ali El-Gamal	Synthesis of Ursolic Acid Nanoparticles	10,947,266	16/3/2021	<b>DIV.</b> 16/552,670	27/8/2019	16/202,046	27/11/2018	<b>KSU</b>	Physics	USPTO
132	Rabab Abd El Moneim El Dib Shaza Mohamed Al-Massarani Manal Ahmed Awad Ali Ali El-Gamal	Synthesis of Ursolic Acid Nanoparticles	10,947,265	16/3/2021	<b>DIV.</b> 16/552,496	27/8/2019	16/202,046	27/11/2018	<b>KSU</b>	Physics	USPTO
133	Hany Yehia Hatem Salama Ali Ebtessam Mohammed Al Olayan Manal Fawzy Elkhadragey Mohamed Serag Eldin Manal Ahmed Awad	A Method of Synthesizing Custard Apple Peel Nanoparticles	10,946,055	16/3/2021	<b>DIV</b> 16/696,018	26/11/2019	16/376,231	5/4/2019	<b>KSU</b>	Agriculture	USPTO
134	Ferdous Taher Bukhary Mohammed Taher Bukhary Sahar Faisal Sharaf Albarakati	Orthodontic Bracket Positioning Instrument	10,945,816	16/3/2021			16/924,090	8/7/2020	<b>KSU</b>	Dentist	USPTO
135	Ahmed Bari Suleiman Binabdulaziz Aljarboa Saeed Ali Syed	Fertilizers Derived from Date Syrup	10,941,084	9/3/2021	16/882,479	23/5/2020			<b>KSU</b>	Pharmaceutical	USPTO

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
136	Mohd Aftab Alam Fahad Ibrahim Al-Jenoobi	Method of Preparing Low Dose Pharmaceutical Formulations	10,940,088	9/3/2021			16/738,566	9/1/2020	KSU	Pharmaceutical	USPTO
137	Mai Abdelrahman Elobeid Lulwah Saleh Al-Hassan Manal Ahmed Awad Nouf Abdallah Al-Ghamdi Promy Virk Awatif Ahmed Hend	Synthesis of Hesperetin Nanoparticles	7651	4/3/2021	117380666	9/5/2017	15/151,454	10/5/2016	KSU	Physics	SAIP
138	Periasamy Vaiyapuri Subbarayan Ali Abdullah Alshatwi Jegan Athinara Yanan	Method of Making Three-Dimensional, Leaf-Based Scaffold for Three-Dimensional Cell Culture	7650	4/3/2021	117390045	15/10/2017	15/297,096	18/10/2016	KSU	Agriculture	SAIP
139	Mamdooh Saud Al-Saud Ali Mohamed Eltamaly Abdulrahman Al-Ahmari	Multi-Rotor Vertical Axis Wind Turbine	7647	4/3/2021	117390092	2/11/2017	15/345,423	7/11/2016	KSU	Engineering	SAIP
140	Refat Ahmed El-Sheikhy Mosleh Ali Al-Shamrani	Expansive Soil Resistant Foundation System	7633	2/3/2021	117380722	6/6/2017	15/178,476	9/6/2016	KSU	Engineering	SAIP
141	Yousef Al-Salloum Mohammad Alrubidi Tarek Almusallam Hussein Elsandedy	Damped Reinforced Joint for Beam-Column Connection	10,934,734	2/3/2021			16/797,991	21/2/2020	KSU	Engineering	USPTO
142	Manal Ahmed Awad Ali Kanakhir Aldalbahi Khalid Mustafa Ortashi Taghrid Saad Alomar Najla Saad Almasoud	Method of Making Zinc Oxide Nanoparticles Using Red Sand	10,934,175	2/3/2021			16/701,115	2/12/2019	KSU	Nanotechnology	USPTO
143	Khawla Ibrahim Alsamhary Nagwa Mohamed Amin Aref Adel Almogren	Method of Treating a Bacterial Infection Using Colostrum	10,933,097	2/3/2021			16/809,882	5/3/2020	KSU	Biology	USPTO
144	Husain Abbas Abdullah Almajed Tarek Almusallam Yousef Al-Salloum	Fiber Elements for Soil Stabilization	10,927,548	23/2/2021			16/796,922	20/2/2020	KSU	Engineering	USPTO
145	Ali Abdullah Alshatwi Jegan Athinarayanan Vaiyapur Subbarayan Periasamy	Lignin-Zinc Oxide Nanohybrid Emulsion for UV Protection	10,925,827	23/2/2021			<b>DIV.</b> 16/818,697	13/3/2020	KSU	Agriculture	USPTO

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
146	Ibrahim Ali Sumaily	UVULA Retractor and UVULA Retracting System	10,925,590	23/2/2021			16/777,782	30/1/2020	KSU	Medical	USPTO
147	Manal Ahmed Awad Rabab Abd El Moneim El Dib Awatif Ahmed Hendi Shaza Mohamed Al-Massarani Khalid Mustafa Ortashi	Synthesis of Nanoparticles Using Balanites Aegyptiaca	7588	17/2/2021	117390017	2/10/2017	15/287,653	6/10/2016	KSU	Physics	SAIP
148	Khalid Abdullah Alruhaimi	Bony Screw with Movable Bracket Arm	10,918,463	16/2/2021			16/882,496	24/5/2020	KSU	Dentist	USPTO
149	Ferdous Taher Bukhary Mohammed Taher Bukhary Sahar Faisal Sharaf Albarakati	Tool for Removing Orthodontic O-Rings	10,918,462	16/2/2021			16/920,621	3/7/2020	KSU	Dentist	USPTO
150	Md. Ashrafuzzaman	Energy-Based Method for Drug Design	10,916,330	9/2/2021			16/892,614	4/6/2020	KSU	Chemistry	USPTO
151	Mohammad Alrubaidi Husain Abbas Hussein Mohamed ElSanadedy Tarek Almusallam Yousef Al-Salloum	Reinforced Joint for Beam-Column Connection	10,900,215	26/1/2021			16/828,888	24/3/2020	KSU	Engineering	USPTO
152	Hany Mohamed Yehia Manal Ahmed Awad Mohamed Fekry Serag El-Din Hatem Salama Ali Reem Atta Alajmi Dina Mahmoud Hasanin Wafa Abdullah Al-Meg Rin Manal Fawzy Elkhadragey	Mangosteen Nanoparticles	10,898,533	26/1/2021			16/752,669	26/1/2020	KSU	Agriculture	USPTO
153	Mohammed Abdullah Alshehri	Endodontic Point Containing Ultrasonic Deformable Material	10,898,295	26/1/2021			16/657,985	18/10/2019	KSU	Dentist	USPTO
154	Husain Abbas Abdullah Alsabhan Yousef Al-Salloum Abobaker Binyahya	Construction Block	D 908,926	26/1/2021			29/677,330	18/1/2019	KSU	Engineering	USPTO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
155	Mohammed Abdullah Alsarhan	Maxillary Frenum Clamping Tool	D 908,877	26/1/2021			29/703,488	27/8/2019	KSU	Dentist	USPTO
156	Adel Mohammed Al-Shayea Mustufa Haider Abidi Abdulaziz Mohammed El-Tamimi	Fin and Condenser Coil Cleaning Device for Air Conditioner Units	10,894,274	19/1/2021			16/925,315	9/7/2020	KSU	Engineering	USPTO
157	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Osman Ortashi	Flexible Solar Panel	10,886,073	5/1/2021			15/098,242	12/4/2016	KSU	Physics	USPTO
158	Mohd Aftab Alam Fahad Ibrahim Al-Jenoobi Abdullah M. Al-mohizea	Measuring Cup	10,883,868	5/1/2021	<b>DIV.</b> 16/817,106	12/3/2020	<b>DIV.</b> 16/202,349	28/11/2018	KSU	Pharmaceutical	USPTO
159	Mohd Aftab Alam Fahad Ibrahim Al-Jenoobi Abdullah M. Al-mohizea	Measuring Cup	10,883,867	5/1/2021	<b>DIV.</b> 16/817,002	12/3/2020	<b>DIV.</b> 16/202,349	28/11/2018	KSU	Pharmaceutical	USPTO
<b>2020</b>											
160	Mohamad Saleh Alsalmi Mamduh Jamil Aljaafreh Saradh Prasad Rajendra	Solid State Laser with Conjugated Oligomer Active Material	10,879,668	29/12/2020			16/813,651	9/3/2020	KSU	Physics	USPTO
161	Mohd Aftab Alam Fahad Ibrahim Al-Jenoobi Abdullah M. Al-mohizea	Measuring Cup	10,876,877	29/12/2020	<b>DIV.</b> 16/816,867	12/3/2020	<b>DIV.</b> 16/202,349	28/11/2018	KSU	Pharmaceutical	USPTO
162	Amani S. Awaad Reham El-Meligy Mohamed Sobhy Marzouk Shroog Mohamed Alotaiby	Extracts and Isolated Compounds from Cakile Arabica for Treatment of Ulcer	10,874,705	29/12/2020	15/422,614	2/2/2017	14/477,026	4/9/2014	KSU	Pharmaceutical	USPTO
163	Abdullah Nasser Alodhayb Hamad Abdulaziz Albrithen Khaled Zouher Shamma	Metal Oxide Based Radiation Sensor	10,871,580	22/12/2020			16/923,725	8/7/2020	KSU	Nanotechnology	USPTO
164	Ahmed Mohammed Aouissi Zeid Abdullah Alotman Abdullah Ali Sultan Al-Kahtani	Method of Synthesizing Cyclohexanone	10,865,175	15/12/2020			16/894,830	7/6/2020	KSU	Chemistry	USPTO
165	Sumaya Omar Basudan	Root Canal Filling Material Marker	10,864,060	15/12/2020			16/894,739	5/6/2020	KSU	Dentist	USPTO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
166	Ahmed Ibrahim Alzahrani Asma'a Abdurrahman Al-Ekrish Tariq Alshawi	Infrared Alignment Guide for an X-Ray Machine	10,863,964	15/12/2020			16/889,762	1/6/2020	KSU	Dentist	USPTO
167	Amani Shafeek Awaad Ahmed Mahmoud Alafeefy Reham Mostafa El-Meligy	Amino Substituted Acetamide Derivative	7342	8/12/2020	117380584	9/4/2017	15/097,261	12/4/2016	KSU	Chemistry	SAIP
168	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Ortashi Amel Laref	Green Synthesis of Reduced Graphene Oxide Silica Nanocomposite Using Nigella Sativa Seeds Extract	7341	8/12/2020	117380664	9/5/2017	15/151,459	10/5/2016	KSU	Physics	SAIP
169	Ali Abdullah Alshatwi Jegan Athinarayanan Periasamy Vaiyapuri Subbarayan	PH Sensing Biofilm	7340	8/12/2020	118400156	1/11/2018	15/802,055	2/11/2017	KSU	Agriculture	SAIP
170	Saradh Prasad Rajendra Mohamad Saleh Alsahli Vadivel Masilamani	Temperature Tuned Conjugated Polymer Laser	7338	8/12/2020	118390228	2/1/2018	15/397,667	3/1/2017	KSU	Physics	SAIP
171	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Ortashi Amel Laref	Green Synthesis of Reduced Graphene Oxide Using Nigella Sativa Seed Extract	7337	8/12/2020	117380665	9/5/2017	15/151,466	10/5/2016	KSU	Physics	SAIP
172	Saad Alshehri Tansir Ahmad Hamad Al-Lohedan Yusuke Yamauchi	Method of Fabricating Macroporous Carbon Capsules from Pollen Grains	7336	8/12/2020	116380024	11/10/2016	14/884,722	15/10/2015	KSU	Chemistry	SAIP
173	Refat Ahmed Elsheikhy Mosleh Ali Alshamrani	Method of Storing Exfoliated Nanoclay Particles	7335	8/12/2020	117380571	5/4/2017	15/094,998	8/4/2016	KSU	Engineering	SAIP
174	Mashooq Ahmad Bhat Mohamed A. Al-Omar Mohammad Raish Mushtaq Ahmad Ansari Hatem A. Abuelizz	Cyclooxygenase Inhibitors	7334	8/12/2020	117390136	23/11/2017	15/362,733	28/11/2016	KSU	Pharmaceutical	SAIP
175	Ibrahim Ali Sumaily	Ultrasonic Imaging Probe	10,856,841	8/12/2020			16/752,584	24/1/2020	KSU	Medical	USPTO
176	Khalid Mustafa Ortashi Manal Ahmed Awad Awatif Ahmed Hendi	Method of Producing Eggshell-Derived Nanoparticles	10,856,559	8/12/2020			16/565,419	9/9/2019	KSU	Physics	USPTO

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
177	Abdullah Mohammed Ali Noman Abdulaziz Abdullah Alkuhayli	Cascaded Multilevel Inverter	10,855,201	1/12/2020			16/892,707	4/6/2020	KSU	Engineering	USPTO
178	Ayman Al-Jazaeri Rakan Nazer	Piercing Forceps	10,849,617	1/12/2020			16/788,163	11/2/2020	KSU	Medical	USPTO
179	Khalid Abdullah Alruhaimi	Curved Alveolar Bone Distractor	GC0011515	29/11/2020	GC2017/34113	15/10/2017	15/295,981	17/10/2016	KSU	Dentist	GCCPO
180	Achraf Al-Faraj Khalid Kezzar Hamoud Kassim	3D Image Generation with Position-Sensing Gamma Probe	GC0011514	29/11/2020	GC2017/32963	20/2/2017	15/054,042	25/2/2016	KSU	Medical	GCCPO
181	Njood Fahad Abdullah Alazzam	Sulcular Guard and Method of Use	10,842,593	24/11/2020			16/732,105	31/12/2019	KSU	Dentist	USPTO
182	Saud Romaih Alromaih Ibrahim Ali Sumaily	Surgical Instrument for The Removal of Frontal Nasal Recess Cells	10,835,273	17/11/2020			16/805,799	1/3/2020	KSU	Medical	USPTO
183	R. Jothi Ramalingam Hamad Al Lohedan	Method of Preparing Biogenic Silver Nanoparticles	10,828,328	10/11/2020			16/734,152	3/1/2020	KSU	Chemistry	USPTO
184	Huda Ahmed Al-Shehri	Stabilizing Device for Dental Crowns	7247	4/11/2020	116380054	20/10/2016	14/922,104	23/10/2015	KSU	Dentist	SAIP
185	Yousef A. Al-Salloum Mohamed S. Morsy Tarek H. Almusallam Husain Abbas	Interlocking and Insulated Construction Block	7246	4/11/2020	117390103	6/11/2017	15/345,984	8/11/2016	KSU	Engineering	SAIP
186	Nawaf Yousef Ibrahim Labban Hanan Nejer Sahil Alotaibi	Adjustable Bite Recording Tool for Dental Implants	7245	4/11/2020	117380310	19/1/2017	15/001,212	19/1/2016	KSU	Dentist	SAIP
187	Hanan Nejer Sahil Alotaibi Sulieyman Saleem Al-Johany	Reusable Bite-Recording Kit for Dental Implants	7243	4/11/2020	117380300	17/1/2017	15/003,749	21/1/2016	KSU	Dentist	SAIP

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
188	Assem Barakat Mohammad Shahidul Islam Abdullah Al-Majid Hussain Mansur Ghawas Fardus F. El-Senduny Farid A. Bsdria Yaseen Ali Mosa Mohamed Elshaier Hazem Ghabbour	Substituted Spirooxindoles	7242	4/11/2020	118390653	31/5/2018	15/611,771	1/6/2017	KSU	Chemistry	SAIP
189	Zeyad Abdulwahid Haidar	Multi-Piston Blade Less Wind Turbine	10,815,965	27/10/2020			16/776,489	29/1/2020	KSU	Engineering	USPTO
190	Sara Mohammed Al-Taweel Safa Mohammed Alrashed	Tooth Tapering Control Guide	10,799,319	13/10/2020			16/663,997	25/10/2019	KSU	Dentist	USPTO
191	Ali Kanakhir Aldalbahi Manal Ahmed Awad Shaykha Mohammed Alzahly Khalid Mustafa Ortashi	Method of Synthesis of Bio Graphene Film	10,793,689	6/10/2020			16/409,798	11/5/2019	KSU	Chemistry	USPTO
192	Shaker Saeed Abdullah-Alaqel Nader Shalf Esmail Saleh Rageh Saadallah Ali Saeed Eldwin Djajadiwinata Abdulelah Ibrahim Alswaiyd Hany Abdulrahman Al-Ansary Sheldon Moseley Jeter Abdelrahman Mahmoud Elleathy Obida Mohamed Zeitoun Zeyad Abdurhman Alsuhaibani Syed Noman Danish Said Ibrahim Abdel-Khalik Saeed Mohammed Al-Zahrani	Particle-To-Working Fluid Heat Exchanger and Solar Power Generator Using the Same	10,788,021	29/9/2020			16/833,096	27/3/2020	KSU	Engineering	USPTO

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
193	Mohamad Saleh Alsalhi Sandhansamy Devanesan Rawan Ibrahim Alkhalaf Hajer Saad Allayed Nasser Alqhtanl Mohammeh Ghazi Alkindi Osama Alghamdi	Calcium Hydroxide Nanoparticles Synthesized with Carob Pulp Extract	10,780,111	22/9/2020			16/397,286	29/4/2019	KSU	Physics	USPTO
194	Saud Romaih Alromaih Ibrahim Ali Sumaily	Uncinectomy Knife	10,772,650	15/9/2020			16/734,162	3/1/2020	KSU	Medical	USPTO
195	Ehab Salaheldin Mohamed	Plasmonic Infrared Optical Antenna	10,768,363	8/9/2020			16/662,003	23/10/2019	KSU	Engineering	USPTO
196	Ayman Al-Jazaeri	Single Lumen Drainage Catheter with Extendable and Retractable Drains	10,765,847	8/9/2020			16/709,102	10/12/2019	KSU	Medical	USPTO
197	Refat Ahmed El-Sheikhy Mosleh Ali Al-Shamrani	Device for Measuring Expansive Soil Shrinkage	7051	1/9/2020	117390094	2/11/2017	15/345,409	7/11/2016	KSU	Engineering	SAIP
198	Ehab Salaheldin Mohamed	Three-Dimensional Space-Division Y-Splitter for Multicore Optical Fibers	7029	25/8/2020	117380263	10/1/2017	14/994,034	12/1/2016	KSU	Engineering	SAIP
199	Manal Ahmed Awad Moudi Abdullah Alwehaibi Jamilah Hamed Alshehri Manal Mohammed Alkhulaifi Noura Saleem Aldosari Khalid Mustafa Ortashi Awatif Ahmed Hendi	Method of Producing Silver Nanoparticles Using Red Sand	10,751,802	25/8/2020			16/592,719	3/10/2019	KSU	Physics	USPTO
-	Hasan Mohammad Bilani Abdullah Mohammed Al-garni	A Combined Projection Method and an Apparatus for Improving Accuracy of Map Projections	EP 2612302	19/8/2020	EP 2612302 A2	10/7/2013	EP 10849614.2	13/2/2013	KSU	Engineering	EPO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
200	Hasan Mohammad Bilani Abdullah Mohammed Al-garni	A Combined Projection Method and an Apparatus for Improving Accuracy of Map Projections	EP 2612302								DPMA
201	Hasan Mohammad Bilani Abdullah Mohammed Al-garni	A Combined Projection Method and an Apparatus for Improving Accuracy of Map Projections	EP 2612302								INPI
202	Hasan Mohammad Bilani Abdullah Mohammed Al-garni	A Combined Projection Method and an Apparatus for Improving Accuracy of Map Projections	EP 2612302								UKIPO
203	Hany Hassan Aly Sayed Thamer Ali Albahkali	Curtain Rod Wall Mount	10,743,700	18/8/2020			16/745,305	16/1/2020	KSU	Engineering	USPTO
204	Muzzammil Iqbal Siddiqui Promy Virk Mohammad Iqbal Siddiqui	Fish Food Composition	7001	13/8/2020	117380577	6/4/2017	15/096,211	11/4/2016	KSU	Chemistry	SAIP
205	Jamal Saleh Al-Wakeel	Bifurcated Peritoneal Catheter	7000	13/8/2020	117380506	20/3/2017	15/076,614	21/3/2016	KSU	Medical	SAIP
206	Mohamed S. Morsy Tarek H. Almusallam Yousef A. Al-Salloum Husain Abbas	Integral Tile/Foam Building Block and Method for Making Same	10,738,469	11/8/2020	US 20160130811 A1	12/5/2016	14/538,925	12/11/2014	KSU	Engineering	USPTO
207	Ziyad Binkhathlan Abdullah Alomrani Aws Alshamsan Ibrahim Aljuffali Raisuddin Ali	Poly E-Caprolactone-Ethoxylated Fatty Acid Polymers	6991	5/8/2020	117380465	5/3/2017	15/064,507	8/3/2016	KSU	Pharmaceutical	SAIP
208	George Seghal Kiran Naif Abdullah Al-Dhabi Mariadhas Valan Arasu Joseph Selvin	Process for Production of Yellow Pigment from Bacteria	6989	5/8/2020	116380163	8/12/2016	14/971,468	16/12/2015	KSU	Biology	SAIP
209	Omar Amin Alhaj Abdulrahman Saleh Al-Khalifa Ali Ahmed Metwalli Elsayed Ismail Hatem Salamah Ali	Method of Making a Fermented Dairy Product from Camel Milk	6988	5/8/2020	117380406	12/2/2017	15/045,168	16/2/2016	KSU	Agriculture	SAIP

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
210	Abdullah Nasser Alodhayb	Micromechanical Photothermal Spectroscopy System and Method	10,732,048	4/8/2020			16/656,517	17/10/2019	KSU	Physics	USPTO
211	Hanan Alshibl Ebtehal Al-Abdullah Mogedda Haiba	Coumarin Derivatives	10,730,885	4/8/2020			16/399,950	30/4/2019	KSU	Pharmaceutical	USPTO
212	Shafia Abdullah Alqahtani	Modular Dental Material Dispenser	10,729,850	4/8/2020			16/684,732	15/11/2019	KSU	Dentist	USPTO
213	Veeramani Chinnadurai Khalid Al-Numair Mohammed Alsaif	Fruit-Derived Core-Shell Nanospheres	10,729,719	4/8/2020			16/656,532	17/10/2019	KSU	Chemistry	USPTO
214	Abdulmonem Alsiddiky Raheef Mohamed Altassi	Hip Spica Cast Application Device	10,729,577	4/8/2020			16/566,984	11/9/2019	KSU	Medical	USPTO
215	Hamad Abdulrahman Alzoman	Suture Needle Retaining Strap	10,729,426	4/8/2020			16/586,484	27/9/2019	KSU	Dentist	USPTO
216	Atef Mohammed Abdo Ghaleb Mohamed Ali Eissa Saleh Adham Mohamed Azzat Ragab	System for a Forming T-Shaped Tubular Fitting	GC0011359	31/7/2020	GC2017/33163	4/4/2017	15/094,999	8/4/2016	KSU	Engineering	GCCPO
217	Khaled Issa Muhammad Ahmed Ashraf Waleed Tariq Sethi Habib Fathallah Saleh Alshebeili	Omnidirectional Ultra-Wideband Antenna	D 891,404	28/7/2020			29/678,358	28/1/2019	KSU	Engineering	USPTO
218	Muhammad Ahmed Ashraf Waleed Tariq Sethi Khaled Issa Habib Fathallah Saleh Alshebeili	Ultra-Wideband Unipole Antenna	D 890,145	14/7/2020			29/678,565	29/1/2019	KSU	Engineering	USPTO
219	Waleed Tariq Sethi Khaled Issa Muhammad Ahmed Ashraf Habib Fathallah Saleh Alshebeili	Omnidirectional Multiband Antenna	D 889,445	7/7/2020			29/678,360	28/1/2019	KSU	Engineering	USPTO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
220	Ali Kanakhir Aldalbahi Seham Soliman Alterary Ruba Ali Almoghim Manal Ahmed Awad Noura Saleem Aldosari Shoog Fahad Algannam Alhanouf Nasser Alabdan Shaden Abdullah Alharbi Bedoor Ali Al-Ateeq Atheer Abdulrahman Al-Mohssen Munirah Abdulaziz Alkathri Raghad Abdulrahman Alrashed	Synthesis of Metal Oxide Nanoparticles Using Kalanchoe Blossfeldiana Extract	10,703,641	7/7/2020			16/685,113	15/11/2019	KSU	Nanotechnology	USPTO
221	Hassna Mohammed Alhajri Wedad Saeed Al-Qahtani Seham Soliman Al Terary Bahauddeen Alrfaei	Synthesis of Olive Leaf Extract Silver Nanoparticles	10,702,550	7/7/2020			16/565,938	10/9/2019	KSU	Chemistry	USPTO
222	Hany Hassan Aly Sayed	Curtain Rod Holder	10,702,086	7/7/2020			16/745,895	17/1/2020	KSU	Engineering	USPTO
223	Zeyad Abdulwahid Haidar	Bladeless Wind Turbine	10,690,114	23/6/2020			16/276,509	14/2/2019	KSU	Engineering	USPTO
224	Ali Kanakhir Aldalbahi Manal Ahmed Awad Khalid Mustafa Ortashi Shaykha Mohammed Alzahly	Bio Buckypaper Synthesized with Fish Scales	10,689,257	23/6/2020			16/383,356	12/4/2019	KSU	Chemistry	USPTO
225	Maged Shaddad Prabhakarn Arunachalam Abdullah Almayouf	Method of Producing Hydrogen Peroxide Using Nanostructured Bismuth Oxide	10,683,577	16/6/2020			16/592,713	3/10/2019	KSU	Chemistry	USPTO
226	Ali Abdullah Alshatwi Jegan Athinarayanan Vaiyapur Subbarayan Periasamy	Lignin-Zinc Oxide Nanohybrid Emulsion for UV Protection	10,682,304	16/6/2020			16/697,102	26/11/2019	KSU	Agriculture	USPTO
227	Ayman El-Faham Moustafa Fouda Zeid ALOthman	Functionalized Silica for the Synthesis of Metal Nanoparticles	GC0010884	1/6/2020	GC2017/33322	2/5/2017	15/145,781	3/5/2016	KSU	Chemistry	GCCPO

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
228	Ayman Atta Hamad Al-Loheda Abdelrahman Osama Ezzat	Synthesis of Zinc Oxide Nanocomposites Using Poly (Ionic Liquid)	GC0010883	1/6/2020	GC2017/32960	19/2/2017	15/050,433	22/2/2016	KSU	Chemistry	GCCPO
229	Fahman Saeed Muhammed Hussain Hatim Aboalsamh	Method for Fingerprint Classification	6851	14/5/2020	117380732	13/6/2017	15/181,357	13/6/2016	KSU	Software	SAIP
230	Mohamed Ramy Abdel-Rahman Mohammad Abdulaziz Alduraibi Bouraoui Ilahi	Thermal Sensing Layer for Microbolometer and Method of Making the Same	10,648,865	12/5/2020	<b>DIV.</b> 16/557,880	30/8/2019	16/262,454	30/1/2019	KSU	Engineering	USPTO
231	Mohammed Abdullah Alsarhan	Maxillary Frenum Clamping Tool	10,646,243	12/5/2020			16/566,848	10/9/2019	KSU	Dentist	USPTO
-	Abdullah AlDahian Feras Alshomer	Expandable surgical mesh	EP 2839808	29/4/2020	EP 2839808	25/2/2015	EP 13181177.0	21/8/2013	KSU	Medical	EPO
232	Abdullah AlDahian Feras Alshomer	Expandable surgical mesh							KSU	Medical	DPMA
233	Abdullah AlDahian Feras Alshomer	Expandable surgical mesh							KSU	Medical	INPI
234	Abdullah AlDahian Feras Alshomer	Expandable surgical mesh							KSU	Medical	UKIPO
235	Mohd Aftab Alam Fahad Ibrahim Al-Jenoobi Abdullah M. Al-mohizea	Measuring Cup	10,634,539	28/4/2020	<b>DIV.</b> 16/202,349	28/11/2018	15/186,399	17/6/2016	KSU	Pharmaceutical	USPTO
236	Ali Abdullah Alshatwi Jegan Athinarayanan Vaiyapuri Subbarayan Periasamy	Method for Producing Noble Metal Nanocomposites	10,619,249	14/4/2020	<b>DIV.</b> 16/001,112	6/6/2018	14/666,307	23/3/2015	KSU	Agriculture	USPTO
237	Hany Hassan Aly Sayed Thamer Ali Albahkali Mohamed Elsayed Bassuni	Bed with Retractable Side Extension	10,617,583	14/4/2020			16/583,214	25/9/2019	KSU	Engineering	USPTO
238	Tansir Ahamad Mu. Naushad Abdullah Al-Enizi Saad Alshehri	Method of Making a Porous Nitrogen-Doped Carbon Electrode from Biomass	10,600,583	24/3/2020			16/118,379	30/8/2018	KSU	Chemistry	USPTO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
239	Naiyf Sultan Helial Alaloi Alharbi Jamal Mohammed Ali Khaled Mohamed Salah El-Din Hodhod Shine Moosa Kadaikunnan Ahmed Saad Alobaidi	Biosynthesis of Metal Nanoparticles	10,590,438	17/3/2020			16/423,532	28/5/2019	KSU	Chemistry	USPTO
240	Abdulrahman Ibrahim Almansour Suresh Kumar Raju Arumugam Natarajan Rajapandiyam Krishnamoorthy Ali Abdullah Alshatwi	Spirooxindole-Pyrrolothiazole Heterocyclic Hybrids	10,590,147	17/3/2020			16/566,851	10/9/2019	KSU	Chemistry	USPTO
241	Khalid Mustafa Ortashi Manal Ahmed Awad	Method of Synthesizing Watermelon Seed Nanoparticles	10,588,929	17/3/2020			16/428,515	31/5/2019	KSU	Engineering	USPTO
242	Hessah Abdullah Alhuwaish Abdullah Mohammad Aldreess	Pliers for Measurable Torquing in Orthodontic Archwires	10,588,716	17/3/2020			16/271,537	8/2/2019	KSU	Dentist	USPTO
-	Ahmad Al-Khazim	Local bee hive with system to control the humidity and temperature inside it	EP 2474224	11/3/2020	EP 2474224	11/7/2012	EP 11000096	7/1/2011	KSU	Agriculture	EPO
243	Ahmad Al-Khazim	Local bee hive with system to control the humidity and temperature inside it							KSU	Agriculture	DPMA
244	Ahmad Al-Khazim	Local bee hive with system to control the humidity and temperature inside it							KSU	Agriculture	INPI
245	Ahmad Al-Khazim	Local bee hive with system to control the humidity and temperature inside it							KSU	Agriculture	UKIPO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
246	Ibrahim Ali Sumaily	Self-Retaining Nasal Septum Retractor	D 877,329	3/3/2020			29/664,031	20/9/2018	KSU	Medical	USPTO
247	Abdulmonem Alsiddiky Raheef Alatassi	Retractor with Suction for Orthopedic Surgery	D 877,328	3/3/2020			29/663,341	13/9/2018	KSU	Medical	USPTO
248	Javed Alam Arun Kumar Shukla Ali Kanakhir Aldalbahi Mansour Alhoshan	Method of Making an Asymmetric Polyvinylidene Difluoride Membrane	10,576,429	3/3/2020			16/387,418	17/4/2019	KSU	Nanotechnology	USPTO
249	Mutasim Khalil Mustafa Abdalla Salih Ali Ahmed Mustafa Ali	Extract of Vicia Faba Beans	10,568,921	25/2/2020	16/261,399	29/1/2019	16/145,090	27/9/2018	KSU	Chemistry	USPTO
250	Fahad Al-Jenooui Mohd Aftab Alam Mohamed Al-Agamy	Method for Preventing, Treating, or Ameliorating a Microbial Infection	10,568,849	25/2/2020			16/182,906	7/11/2018	KSU	Pharmaceutical	USPTO
251	Wajhul Qamar Mohammad Altamimi	Testing Chamber for Laboratory Animals	10,568,300	25/2/2020			16/376,737	5/4/2019	KSU	Pharmaceutical	USPTO
252	Tarek Almusallam Husain Abbas Yousef Al-Salloum Aref Abadel	Multi-Leg Fiber Reinforced Concrete	10,563,403	18/2/2020			16/175,248	30/10/2018	KSU	Engineering	USPTO
253	Husain Abbas Yousef Al-Salloum Tarek Almusallam Nadeem Siddiqui Baha Khateeb	Method of Connecting a Circular Concrete-Filled Steel Tubular Column to a Reinforced Concrete Footing	10,563,402	18/2/2020			16/233,755	27/12/2018	KSU	Engineering	USPTO
254	Faruq Mohammad Ayyub Hamad Al-Lohedan	Multifunctional Cancer Targeting Nanoparticles	10,561,747	18/2/2020			16/199,933	26/11/2018	KSU	Chemistry	USPTO
255	Moonis Ali Khan Ayoub Abdullah Alqadami Masoom Raza Siddiqui Zeid Alothman	Synthesis of Hydrochar from Jackfruit	10,557,098	11/2/2020			16/360,397	21/3/2019	KSU	Chemistry	USPTO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
256	Abdullah Omar Al-Dhfyar Hatem A. Abdel-Aziz Pulicat Subramanian Manogran Monther Mohammad Al-Alwan Hazem M. Bachir Ghebeh Kamal El-Din Hussein El-Tahir	Benzo-Thiazolo-Imidazole Compounds and Uses Thereof	10,550,130	4/2/2020	15/071,945	16/3/2016	EP 15159402.5	17/3/2015	KSU & KFSH&RC	Medical	USPTO
257	Hany Yehia Reem Alajmi Hatem Salama Ali Manal Fawzy Elkhadragy Dina Metwally Mohamed Fekry Serag El-Din Manal Ahmed Awad	Methanol Extract of Grape Seed Nanoparticles	10,542,758	28/1/2020			16/137,466	20/9/2018	KSU	Agriculture	USPTO
258	Saradh Prasad Rajendra Mohamad Saleh Alsalhi Mamduh Jamil Aljaafreh	Conjugated Polymer Laser with Temperature Controlled Power Output	10,541,506	21/1/2020			16/380,945	10/4/2019	KSU	Physics	USPTO
259	Mohd Aftab Alam Fahad Ibrahim Al-Jenoobi Abdullah M. Al-mohizea	Measuring Cup	10,533,886	14/1/2020	<b>DIV.</b> 16/203,132	28/11/2018	15/186,399	17/6/2016	KSU	Pharmaceutical	USPTO
260	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Osman Ortashi	Method for Synthesizing Noble Metal Nanoparticles Using Dead Cancer Cells	6730	1/1/2020	117380288	15/1/2017	15/003,265	21/1/2016	KSU	Biology	SAIP
<b>2019</b>											
261	Mohd Aftab Alam Fahad Ibrahim Al-Jenoobi Abdullah M. Al-mohizea	Measuring Cup	10,520,347	31/12/2019	<b>DIV.</b> 16/202,950	28/11/2018	15/186,399	17/6/2016	KSU	Pharmaceutical	USPTO
262	Mohd Aftab Alam Fahad Ibrahim Al-Jenoobi Abdullah M. Al-mohizea	Measuring Cup	10,520,346	31/12/2019	<b>DIV.</b> 16/202,654	28/11/2018	15/186,399	17/6/2016	KSU	Pharmaceutical	USPTO
263	Mohd Aftab Alam	Device for Powdering a Solid Unit Dosage Form of Medication and Administering the Powder Form	10,518,070	31/12/2019			16/361,093	21/3/2019	KSU	Pharmaceutical	USPTO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
264	Promy Virk Manal Ahmed Awad Mai Abdelrahman Eloheid Khalid Mustafa Ortashi Awatif Ahmed Hendi	Fabrication of Probiotics Nanowhiskers Using Cheese	10,517,905	31/12/2019			16/127,470	11/9/2018	KSU	Physics	USPTO
265	Abdulmonem Alsiddiky Raheef Alatassi	Surgical Retractor with Suction	10,507,014	17/12/2019			15/987,674	23/5/2018	KSU	Medical	USPTO
266	Jothi Ramalingam Rajabathar Hamad Abdullah Al-Lohedan Judith Vijaya M. Sivachidambaram	Method of Making a Supercapacitor Using Porous Activated Carbon from Cow Dung	10,504,662	10/12/2019			16/184,523	8/11/2018	KSU	Chemistry	USPTO
267	Yahia Nasser Mabkhot Jamal Mohammed Ali Khaled Naiyf Sultan Alharbi Fahd Ali Mohammed Fahd Abdo Allmekhlafi Nael Mahmmod Abutaha Salim Al-Showiman	Synthesis of Thiazole Derivative as Anticancer and Antiantibiotics Resistant Bacteria Agent	10,501,426	10/12/2019			16/246,047	11/1/2019	KSU	Chemistry	USPTO
268	Fozeyah Saleh Almiman	Method of Synthesizing Silver Nanoparticles Using Mint Extract	10,500,645	10/12/2019			16/240,972	7/1/2019	KSU	Nanotechnology	USPTO
269	Ayman Al-Jazaeri	Drainage Catheter with Retractable Internal Drains	10,500,331	10/12/2019			15/680,491	18/8/2017	KSU	Medical	USPTO
270	Hany Mohamed Yehia Mohamed Fekry Serag El-Din Hateim Salama Ali Mohamed Saleh Alamri Wafa Abdullah Al-Megrin Manal Faw'zy Elkhadragy Manal Ahmed Awad	Synthesis of Black Eggplant (Solanum Melongena) Skin Antioxidant Nanoparticles	10,500,244	10/12/2019			16/408,992	10/5/2019	KSU	Chemistry	USPTO
271	Nabil Ahmed Al-Zeqri Isra Abd Alrhman Aboasbah Ali Mohammed Alsalmeh Mohammed Suleiman Shtaya Iyad Atallah Saadeddin Abdelkader Zarrouk Ismail Khalil Warad	Sulfonamide Corrosion Inhibitors	10,494,722	3/12/2019			16/391,138	22/4/2019	KSU	Chemistry	USPTO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
272	Sahar Asaad Alzain Ohood Turkistani	Facebow with Double Bite Forks	10,492,895	3/12/2019			16/120,132	31/8/2018	KSU	Dentist	USPTO
273	Abdullah Mohammed Al- Mayouf Matar Naif Al-Shalwi	Steel Panel with an Integrated Corrosion Sensor	10,488,323	26/11/2019			16/355,687	15/3/2019	KSU	Chemistry	USPTO
274	Asma'a Abdurrahman Al- Ekrish Shouq Abdullah Jurays	Intraoral Attachment Clip for Attachment of Objects to Edentulous Ridges	10,485,632	26/11/2019			16/202,052	27/11/2018	KSU	Dentist	USPTO
275	Mohamed Amine Mekhtiche Mansour Mohammed Alsulaiman Hassan Ismail Mathkour Mohamed Abdelkader Bencherif Mohammed Faisal Abdulqader Naji Mohammed Mahdi Algabri Ghulam Muhammad Abdul Wadood Hamid Abdulsalam Ghaleb Khalid Nasser Almutib Hedjar Tahar Ramdane Amin Umar Syed Fadl Dahan Naji Hamdi Taher Altaheri	Tree Harvesting Tool	10,485,171	26/11/2019			16/425,850	29/5/2019	KSU	Software	USPTO
276	Khaled Issa Muhammad Ahmed Ashraf Waleed Tariq Sethi Habib Fathallah Saleh Alshebeili	Omnidirectional Ultra-Wideband Antenna	10,483,640	19/11/2019			16/237,620	31/12/2018	KSU	Engineering	USPTO
277	Mohamed Ramy Abdel- Rahman Mohammad Abdulaziz Alduraibi Bouraoui Ilahi	Thermal Sensing Layer for Microbolometer and Method of Making the Same	10,481,006	19/11/2019			16/262,454	30/1/2019	KSU	Engineering	USPTO
278	Husain Abbas Abdullah Alsabhan Yousef Al-Salloum Abobaker Binyahya	System for Constructing a Retaining Wall	10,480,149	19/11/2019			16/256,154	24/1/2019	KSU	Engineering	USPTO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
279	Khalid Mohammed Alkharfy Mohammad Ghulam Ahmad Ajaz Mohammad Mairaj Siddiquei Ahmed Abu El-Asrar	Method for Treating a Neurovascular Complication of Diabetes Mellitus	10,463,632	5/11/2019			15/046,426	17/2/2016	KSU	Pharmaceutical	USPTO
280	Abdullah Al-Enizi Tansir Ahamad Ayman Yousef	Method of Fabricating a Photocatalyst for Water Splitting	10,456,776	29/10/2018			16/281,592	21/2/2019	KSU	Chemistry	USPTO
281	Ali Abdullah Alshatwi Jegan Athinarayanan Periasamy Vaiyapuri Subbarayan	PH Sensing Biofilm	10,451,557	22/10/2018	15/962,915	25/4/2018	15/802,055	2/11/2017	KSU	Agriculture	USPTO
282	Mohd Aftab Alam Fahad Ibrahim Al-Jenoobi Abdullah M. Al-mohizea	Measuring Cup	10,444,053	15/10/2019	<b>DIV.</b> 16/201,815	27/11/2018	15/186,399	17/6/2016	KSU	Pharmaceutical	USPTO
283	Rabab Abd El Moneim El Dib Shaza Mohamed Al-Massarani Manal Ahmed Awad Ali Ali El-Gamal	Synthesis of Ursolic Acid Nanoparticles	10,442,833	15/10/2019			16/202,046	27/11/2018	KSU	Physics	USPTO
284	Suliman Saleem Al-Johany	Mobile Device System for Dispensing Oral Consumables	10,442,601	15/10/2019			16/192,025	15/11/2018	KSU	Engineering	USPTO
285	Ali Mohamad Alsamhan Ahmed Nageeb Badwelan	Method of Friction Stir SAIPt Welding	10,442,029	15/10/2019			16/380,942	10/4/2019	KSU	Engineering	USPTO
286	Mohd Aftab Alam Fahad Ibrahim Al-Jenoobi Abdullah M. Al-mohizea	Measuring Cup	10,436,623	8/10/2019	<b>DIV.</b> 16/202,212	28/11/2018	15/186,399	17/6/2016	KSU	Pharmaceutical	USPTO
287	Manal Ahmed Awad Awatif Ahmed Hendi Mai Abdelrahman Elobeid Khalid Mustafa Osman Ortashi Promy Virk	Synthesis of Nanoparticles of Metals and Metal Oxide Using Plant Seeds Extract	6671	7/10/2019	116370957	25/9/2016	14/868,358	28/9/2015	KSU	Biology	SAIP

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
288	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Osman Ortashi Nada Elzain Eisa Nada Mohammed Merghani	Method of Synthesizing Nanoparticles and a Nanoparticle polymer Composite Using a Plant Extract	6670	7/10/2019	116370956	25/9/2016	14/868,367	28/9/2015	KSU	Biology	SAIP
289	Waleed Tariq Sethi Khaled Issa Muhammad Ahmed Ashraf Habib Fathallah Saleh Alshebeili	Omnidirectional Multiband Antenna	10,431,893	1/10/2019			16/237,623	31/12/2018	KSU	Engineering	USPTO
290	Ayman Hassan Al-Jazaeri Amro Fayez Al-Habib	Expandable Intervertebral Cage	10,426,634	1/10/2019			16/268,393	5/2/2019	KSU	Medical	USPTO
291	Sulaiman Abdullah Alshammari Mamduh El-Messeiry Ali Mohsen Ali Al-Hazmi Ibrahim Metaan Gosadi	Storage Tank Cleaning Machine	GC0010757	30/9/2019	GC2017/32848	31/1/2017	15/012,761	1/2/2016	KSU	Medical	GCCPO
292	Waled Mohammed Alshhrani Hanan Nejer Sahil Alotaibi	Denture Construction Teaching Tool	GC0010751	30/9/2019	GC2017/33364	2/5/2017	15/151,472	10/5/2016	KSU	Dentist	GCCPO
293	Mutasim Ibrahim Khalil Ibrahim Mutasim Ibrahim	Green Method for Coating a Substrate with Silver Nanoparticles	10,422,033	24/9/2019			15/439,913	22/2/2017	KSU	Chemistry	USPTO
294	Mohammed Saeed Alqahtani Ali Saeed Alqahtani Rabbani Syed Baji	Method of Synthesizing Lignin-Based Nanocompositions	10,420,731	24/9/2019			16/252,351	18/1/2019	KSU	Pharmaceutical	USPTO
295	Mostafa Abdelhamid Ahmed	Thigh Adhesion Quantitative Measurement System	6643	17/9/2019	116380092	7/11/2016	14/940,093	12/11/2015	KSU	Software	SAIP
296	Hadi Rasam Alqahtani Martin F. Grell	Method for Chemical Vapor Identification Using Swelling-Based Sensors	6642	17/9/2019	116380019	10/10/2016	14/882,359	13/10/2015	KSU	Physics	SAIP

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
297	Husain Abbas Yousef Al-Salloum Tarek Almusallam Hussein Mohamed Elsanadedy Mohammad Alrubaidi	Strengthening System for Beam-Column Connection in Steel Frame Buildings to Resist Progressive Collapse	10,415,230	17/9/2019			16/152,229	4/10/2018	KSU	Engineering	USPTO
298	Wajhul Qamar Mohammad Altamimi	Push Button Operated Rodent Restrainer	10,412,928	17/9/2019			16/237,632	31/12/2018	KSU	Pharmaceutical	USPTO
299	Muhammad Ahmed Ashraf Waleed Tariq Sethi Khaled Issa Habib Fathallah Saleh Alshebeili	Ultra-Wideband Unipole Antenna	10,411,357	10/9/2019			16/259,806	28/1/2019	KSU	Engineering	USPTO
300	Atif Ahmed Saleh Alghamdi	Dental Chair Attachment for Supporting Wheelchairs	10,406,048	10/9/2019			16/357,134	18/3/2019	KSU	Dentist	USPTO
301	Manal Ahmed Awad Promy Virk Rabia Qindeel Khalid Mustaf'a Ortashi Mai Aruelrahman Elobeid	Synthesis of Mustard Seed Nanoparticles	10,398,744	3/9/2019			16/270,914	8/2/2019	KSU	Physics	USPTO
302	Jothi Ramalingam Jesu Doss Judith Vijaya Hamad Al-Lohedan	Template-Free Method of Preparing Zeolites from Biomass	10,398,726	3/9/2019			16/118,373	30/8/2018	KSU	Chemistry	USPTO
303	Mamdouh Monif Monif	Systems and Methods to Measure Fluid in a Body Segment	10,398,330	3/9/2019	15/189,201	22/6/2016	14/287,974	27/5/2014	KSU	Medical	USPTO
304	Thamer Ali Albahkali Hany Hassan Aly Sayed Mohamed Elsayed Bassuni	Oven with Temperature Probe	10,397,989	27/8/2019			16/251,294	18/1/2019	KSU	Engineering	USPTO
305	Manal Ahmed Awad Rabia Qindeel Khalid Mustaf'a Ortashi Awatif Ahmed Hendi	Method of Producing Silica Nanoparticles Using Sand	10,384,945	20/8/2019			16/271,310	8/2/2019	KSU	Physics	USPTO
306	Zeyad Abdulwahid Haidar Jamel Orfi	Solar Desalination System	10,384,165	20/8/2019			16/178,398	1/11/2018	KSU	Rationalization and Desalination	USPTO

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
307	Ali Abdullah Alshatwi Jegan Athinarayanan Vaiyapuri Subbarayan Periasamy	Method of Fabricating Nanostructures from Fish Waste	10,383,976	20/8/2019			16/154,117	8/10/2018	KSU	Agriculture	USPTO
308	Mohd Aftab Alam Fahad Ibrahim Al-Jenoobi Mohamed Hamed Al-Agamy	Apparatus for Inoculating Agar Plate	10,379,016	13/8/2019			16/134,915	18/9/2018	KSU	Pharmaceutical	USPTO
309	Khalid Abdullah Alruhaimi	Universal Base Attachment Bit and Cutting Bit Assembly	10,368,880	6/8/2019			16/163,177	17/10/2018	KSU	Dentist	USPTO
310	Promy Virk Manal Ahmed Awad Awatif Ahmed Hendi Amnah El-Enazy Mai Abdelrahman Elobeid Rabia Qindeel	Synthesis of Probiotic Nanoparticles	10,363,218	30/7/2019			16/239,277	3/1/2019	KSU	Physics	USPTO
311	Sara Mohammad Al Taweel	Kit for Measuring Vertical Dimension for Dental Restoration	10,363,121	30/7/2019			15/878,365	23/1/2018	KSU	Dentist	USPTO
312	Ehab Salaheldin Mohamed	Planar Waveguide Converter	10,359,566	23/7/2019			16/213,909	7/12/2018	KSU	Engineering	USPTO
313	Anvarhusein Isab Muhammad Altaf Ali Alhoshani Ali Osman Altoum Mohammed Yagoub Jomaa	Platinum (II) Complexes with Selone Ligands and Method of Use	10,358,456	23/7/2019	15/933,076	22/3/2018	62/474,766	22/3/2017	KSU & KFUPM	Chemistry	USPTO
314	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Ortashi Ali Kanakhir Aldalbahi Reema Abdullah Alnamlah	Synthesis of Zinc Oxide Nanoparticles Using Cymbopogon Proximus Extract	10,358,356	23/7/2019			16/239,972	4/1/2019	KSU	Physics	USPTO
315	Abdulrahman Almansour Raju Suresh Kumar Natarajan Arumugam Kotresha Dupadahalli Jose Carlos Menendez	Anti-Cancer Compound	10,357,485	23/7/2019			16/143,875	27/9/2018	KSU	Chemistry	USPTO
316	Khalid Abdullah Alruhaimi	Bony Bracket Screw	10,357,341	23/7/2019			15/355,046	17/11/2016	KSU	Dentist	USPTO

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
317	Manal Ahmed Awad Awatif Ahmed Hendi Promy Virk Khalid Mustafa Osman Ortashi Mai Abdelrahman Elobeid	Method of Preparing Rosemary Nanoparticles and Encapsulated Rosemary Nanoparticles	6552	18/7/2019	116370960	25/9/2016	14/868,351	28/9/2015	KSU	Biology	SAIP
318	Ayman Mohamamdy Atta Hamad Al-Lohedan Abdelrahman Osama Ezzat	Method of Synthesizing Silver Nanoparticles from Waste Film	6550	18/7/2019	116370987	29/9/2016	14/874,281	2/10/2015	KSU	Chemistry	SAIP
319	Abd El-Galil Amr Mohamed Alomar Abdulrahman Almehizia Mohammed Mater Alanazi Nawaf Abdulaziz Alsaif Ahmad Jomah Obaidullah	Ursolic Acid Derivatives	10,343,997	9/7/2019			16/208,849	4/12/2018	KSU	Pharmaceutical	USPTO
320	Saad Abdulmohsen Alabdulkarim	Wearable Load Carrier	10,342,319	9/7/2019			16/121,882	5/9/2018	KSU	Engineering	USPTO
321	Heba Abdullatif Kurdi Mohannad Yousef Abdulghani	Baggage Handling and Delivery System	10,336,555	2/7/2019			16/216,860	11/12/2018	KSU	Software	USPTO
322	Eman Mohammed Bin Saleh	Ear-Mounted Dental Mirror Support	10,335,022	2/7/2019			16/124,125	6/9/2018	KSU	Dentist	USPTO
323	Mohd Aftab Alam Fahad Al-Jenoobi	Apparatus and Method for Testing the Ability of Materials to Protect Photolabile Materials	10,330,596	25/6/2019			15/937,464	27/3/2018	KSU	Pharmaceutical	USPTO
324	Mashooq Ahmad Bhat Mohamed Al-Omar Nawaf Abdulaziz Alsaif Syed Hidayathulla	Sulindac Derivatives	10,329,249	25/6/2019			16/151,291	3/10/2018	KSU	Pharmaceutical	USPTO
325	Saad Abdulmohsen Alabdulkarim	Assistive Device for Heavy Tool Operation	10,328,539	25/6/2019			16/196,201	20/11/2018	KSU	Engineering	USPTO
326	Saad Alshehri Tansir Ahamad	Magnetic Adsorbent for Organic Pollutant Removal	10,322,401	18/6/2019			15/715,022	25/9/2017	KSU	Chemistry	USPTO
327	Sahar Asaad Alzain	Cheek and Tongue Retractor	10,314,672	11/6/2019			15/801,222	1/11/2017	KSU	Dentist	USPTO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
328	Said Al-Jaroudi Ali Alhoshani Muhammad Altaf Anvarhusein Isab	Gold Complex-Containing Cancer Activity Composition	10,301,335	28/5/2019	16/112,426	24/8/2018	<b>CIP</b> 15/351,585 15/990,289	15/11/2016 25/5/2018	<b>KSU &amp; KFUPM</b>	Chemistry	USPTO
329	Mohammad Iqbal Khan Galal Fares	Low Cement Content Strain-Hardening Cementitious Composite	10,301,218	28/5/2019			16/125,627	6/9/2018	<b>KSU</b>	Engineering	USPTO
330	Manal Ahmed Awad Khalid Mustafa Ortashi awatif ahmed hendi Wadha Khalaf Alenazi Ali Aldalbahi	Synthesis of Titanium Dioxide Nanoparticles Using <i>Cymbopogon Proximis</i>	10,301,187	28/5/2019			16/153,479	5/10/2018	<b>KSU</b>	Physics	USPTO
331	Mutasim Khalil Mustafa Abdalla Salih Ali Ahmed Mustafa Ali	Extract of Vicia Faba Beans	10,300,100	28/5/2019			16/145,090	27/9/2018	<b>KSU</b>	Chemistry	USPTO
332	Qazi Emad Ul Haq Muhammad Hussain Hatim Abdulrehman Aboalsamh	Method of Classifying Raw EEG Signals	10,299,694	28/5/2019			15/889,110	5/2/2018	<b>KSU</b>	Software	USPTO
333	Ibrahim Ali Sumaily	Self-Retaining Nasal Septum Retractor	10,299,670	28/5/2019			16/124,130	6/9/2018	<b>KSU</b>	Medical	USPTO
334	Fahad Khshim Alqahtani	Recycled Plastic Aggregate for Use in Concrete	10,294,155	21/5/2019	<b>DIV.</b> 15/656,066	21/7/2017	14/872,099	30/9/2015	<b>KSU</b>	Engineering	USPTO
335	Durria Ahmed Abdulmaged Ghada Abdulrahman Alnafisa Mohammad Manna Al-Qattan	Device for Sutureless Repair of an Injured Nerve	10,292,709	21/5/2019			16/189,905	13/11/2018	<b>KSU</b>	Medical	USPTO
336	Said Al-Jaroudi Ali Alhoshani Muhammad Altaf Anvarhusein Isab	Mononucleotide-Dithiocarbamate Complex	10,280,187	7/5/2019	16/111,884	24/8/2018	<b>CIP</b> 15/351,585 15/993,163	15/11/2016 30/5/2018	<b>KSU &amp; KFUPM</b>	Chemistry	USPTO
337	Ali Ali El-Gamal Adnan Jathlan Al-Rehaily Manal Ahmed Awad Rabab Abd El Moneim El Dib Shaza Mohamed Al-Massarani	Synthesis of Nuxia Oppositifolia Nanoparticles	10,278,999	7/5/2019			15/826,018	29/11/2017	<b>KSU</b>	Chemistry	USPTO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
338	Mohammad Iqbal Khan	System and Method for Measuring Permeation Properties of Concrete and Porous Materials	6468	2/5/2019	116370870	21/8/2016	14/835,666	25/8/2015	KSU	Engineering	SAIP
339	Said Al-Jaroudi Ali Alhoshani Muhammad Altaf Anvarhusein Isab	Cancer Cell-Containing Composition	10,273,257	30/4/2019	16/112,358	24/8/2018	CIP 15/351,585 15/990,289	15/11/2016 25/5/2018	KSU & KFUPM	Chemistry	USPTO
340	Abdulmonem Alsiddiky Raheef Alatassi Abdullah Bin Dous	Hip Spica Cast Application Stand	10,265,236	23/4/2019			16/131,796	14/9/2018	KSU	Medical	USPTO
341	Manal Ahmed Awad Saba Ameen Al-Adeemy Taieb Aouak Awatif Ahmed Hendi Khalid Mustafa Osman Ortashi Waseem Sharaf Shamsan Saeed	Method of Preparing a Nanocomposite Film Including Starch Nanofibers	6410	4/4/2019	116380015	6/10/2016	14/877,908	7/10/2015	KSU	Biology	SAIP
342	Galal Fares Mohammad Iqbal Khan	Method of Obtaining Simulated Pore Water	6409	4/4/2019	116380048	17/10/2016	14/922,106	23/10/2015	KSU	Engineering	SAIP
343	Ayoub Abdullah Alqadami Moonisali Khan Zeid Abdullah Alothman Ibrahim Hotan Alsohami Mazoom Raza Siddiqui Ayman A. Ghfar	Magnetic Polymer Nanocomposite for Removal of Divalent Heavy Metal Ions from Water	10,245,576	2/4/2019			16/137,472	20/9/2018	KSU	Chemistry	USPTO
344	Nagy Mahmoud Khalifa Mohamed Al-Omar	Naphthyridinyl Hydrazine Derivatives as Potent Peripheral Analgesic Agents	10,239,875	26/3/2019			15/624,811	16/6/2017	KSU	Pharmaceutical	USPTO
345	Talal Ghannam	Surface Plasmon-Based Nanosensors and Systems and Methods for Sensing Photons and Chemical or Biological Agents	10,239,752	26/3/2019	US 20150276596 A2 US 20140285809 A1	25/9/2014 1/10/2015	14/168,051	30/1/2014	KSU	Nanotechnology	USPTO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
346	Zeyad Abdulwahid Haidar	Solar Desalination and Power Generating System	10,233,095	19/3/2019			15/988,804	24/5/2018	KSU	Rationalization and Desalination	USPTO
347	Tariq Abdulrahman Alshawi Asma'a Abdulrahman Al-Ekrish Saleh Abdullah Alshebeili	Method of Tracking and Navigation for a Dental Instrument	10,213,274	26/2/2019			15/918,853	12/3/2018	KSU	Dentist	USPTO
348	Ayman Al-Jazaeri	Feeding Tube System	6332	19/2/2019	116380049	17/10/2016	14/886,423	19/10/2015	KSU	Medical	SAIP
349	Abdullah Mohammed Al-Majid Mohammad Shahidul Islam Assem Barakat Muhammad Iqbal Choudhary Sammer Yousuf	$\alpha$ -Glucosidase Inhibitors	6331	19/2/2019	116370958	25/9/2016	14/868,994	29/9/2015	KSU	Biology	SAIP
350	Mohamed Mohamed Ghanem Abdullah Mohamed Almayouf Maged Najy Yahya shaddad	Electrochemical Method of Producing Hydrogen Peroxide Using a Titanium Oxide Nanotube Catalyst	6330	19/2/2019	116370499	5/4/2016	14/681,038	7/4/2015	KSU	Chemistry	SAIP
351	Ali Abdullah Alshatwi Jegan Athinarayanan Vaiyapuri Subbarayan Periasamy	Method for Producing Noble Metal Nanocomposites	6329	19/2/2019	116370428	17/3/2016	14/666,307	23/3/2015	KSU	Agriculture	SAIP
352	Wazie Mohammed Abdulkawi Abdel Fattah Sheta	Reconfigurable Resonators for Chipless RFID Applications	10,211,498	19/2/2019			15/974,588	8/5/2018	KSU	Engineering	USPTO
353	Mohd Aftab Alam Fahad Ibrahim Al-Jenoobi Abdullah M. Al-mohizea	Measuring Cup	10,209,116	19/2/2019			15/186,399	17/6/2016	KSU	Pharmaceutical	USPTO
354	Mohamed Zoubir Bendjaballah	Custom-Fitting Collar Sleeve Backing for Commercial Hip Protheses	10,206,782	19/2/2019			15/782,493	12/10/2017	KSU	Medical	USPTO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
355	Hatem Salama Ali Reem Atta Alajmi Hany Yehia Mohamed Serag El-Din Manal Fawzy Elkhadragy Manal Ahmed Awad Dina Mahmoud Hasanin	Guava Seed (Psidium Guajava) Nanoparticles as Antibacterial	10,206,417	19/2/2019			16/003,042	7/6/2018	KSU	Agriculture	USPTO
356	Jothi Ramalingam Rajabathar Hamad Abdullah Al- Lohedan Judith Vijaya M. Sivachidambaram	Method of Making a Supercapacitor Using Porous Activated Carbon from Cow Dung	10,204,745	12/2/2019			15/960,388	23/4/2018	KSU	Chemistry	USPTO
357	Ayman Atta Mahmood Abdullah Hamad Al-Lohedan Abdelrahman Ezzat Mohamed Hasan Wahby	Modification of Sand with Superhydrophobic Silica/Wax Nanoparticles	10,202,548	12/2/2019			15/945,680	4/4/2018	KSU	Chemistry	USPTO
358	Rabab Abd El Moneim El Dib Shaza Mohamed Al- Massarani Manal Ahmed Awad Ali Ali El-Gamal	Method of Synthesizing of 3- Oxolupenal Nanoparticles	10,202,415	12/2/2019			15/788,181	19/10/2017	KSU	Chemistry	USPTO
359	Mohammed Taher Bukhary	Device and Method for Measuring the Skeletal Dental Relationship	GC0009513	31/1/2019	GC2011/19417	1/10/2011	12/896,963	3/10/2010	KSU	Dentist	GCCPO
360	Yousef Abdullah Almotlaq Mazen Baabbad Hany Alansary Essam Al Ammar	Solar Heating Apparatus	10,190,802	29/1/2019			15/786,449	17/10/2017	KSU & Qudra Energy Company	Energy and renewable energy	USPTO
361	Yousef Abdullah Almotlaq Mazen Baabbad Hany Alansary Essam Al Ammar	Solar Heating Apparatus	10,190,801	29/1/2019			15/786,435	17/10/2017	KSU & Qudra Energy Company	Energy and renewable energy	USPTO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
362	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Ortashi Hany Mohamed Yehia Mohamed Mahmoud Ahmed Hatem Salama Ali Mohamed Fekry Serag El-Din Zeinab Korany Hassan	Method of Synthesizing Doum Nanoparticles	10,188,116	29/1/2019			15/855,332	27/12/2017	KSU	Physics	USPTO
363	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Ortashi Amnah Bader Alanazi Batool Ali Alzhrani Dina Wafiq Soliman	Synthesis of Silver-Pmma Nanocomposite Film	10,184,033	22/1/2019			15/957,666	19/4/2018	KSU	Physics	USPTO
364	Zeyad Abdulwahid Haidar	Solar Desalination System	10,183,233	22/1/2019			15/900,692	20/2/2018	KSU	Rationalization and Desalination	USPTO
365	Vadivel Masilamani Mohamad Alsalhi Karim Hamda Farhat Danny Rabah Saradh Prasad Sandhanasamy Devanesan	Method of Detecting Bladder Cancer by Optical Analysis of Bodily fluids	6262	3/1/2019			116370376	2/3/2016	KSU	Physics	SAIP
<b>2018</b>											
366	Hasan Mohammad Bilani Abdullah Mohammed Al-garni	A Combined Projection Method and an Apparatus for Improving Accuracy of Map Projections	GC0009447	31/12/2018	GC2011/19094	20/8/2011	PCT/EP2010/005391	2/9/2010	KSU	Engineering	GCCPO
-	Amani Awaad Asmaa Alrifai Mohamed Zain Reham El-Meligy	New Anti-ulcerogenic and Anti-Helicobacter Pylori Activities of Compounds Isolated from Convolvulus Austroegyptiacus	EP 2808017	19/12/2018	EP 2808017	3/12/2014	EP 13169307.9	27/5/2013	KSU	Pharmaceutical	EPO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
367	Amani Awaad Asmaa Alrifai Mohamed Zain Reham El-Meligy	New Anti-ulcerogenic and Anti-Helicobacter Pylori Activities of Compounds Isolated from Convolvulus Austroaegyptiacus					EP 13169307.9	27/5/2013	KSU	Pharmaceutical	DPMA
368	Amani Awaad Asmaa Alrifai Mohamed Zain Reham El-Meligy	New Anti-ulcerogenic and Anti-Helicobacter Pylori Activities of Compounds Isolated from Convolvulus Austroaegyptiacus					EP 13169307.9	27/5/2013	KSU	Pharmaceutical	INPI
369	Amani Awaad Asmaa Alrifai Mohamed Zain Reham El-Meligy	New Anti-ulcerogenic and Anti-Helicobacter Pylori Activities of Compounds Isolated from Convolvulus Austroaegyptiacus					EP 13169307.9	27/5/2013	KSU	Pharmaceutical	UKIPO
370	Khalid Abu-Salah Salman Alrokayan Abdullah Mashhour	Bioimaging Nucleic Acids, Proteins and Enzymes	10,151,726	11/12/2018	US 20140339083 A1	20/11/2014	14/120,373	14/5/2014	KSU	Nanotechnology	USPTO
371	Yousef Abdullah Almotlaq Mazen Baabbad Hany Alansary Essam Al Ammar	Solar Heating Apparatus	10,151,512	11/12/2018			15/786,458	17/10/2017	KSU & Qudra Energy Company	Energy and renewable energy	USPTO
372	Said Al-Jaroudi Ali Alhoshani Muhammad Altaf Anvarhusein Isab	Gold Complexes of Alkylated Phosphines	10,144,749	4/12/2018			15/993,163	30/5/2018	KSU & KFUPM	Chemistry	USPTO
373	Mohammad Azam Saud Ibrahim Al-Resayes Faiyaz Shakeel Agata Trzesowska-Kruszynska Rafal Kruszynski	Anti-Inflammatory Zinc(II) Complex	10,144,748	4/12/2018			15/916,208	8/3/2018	KSU	Chemistry	USPTO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
374	Abdullah Mohammed Noman Abdulraman Abdullah Alshammaa Khaled Ebraheem Addoweesh Ayman Abdullah Alabduljabbar Abdulrahman Ibrahim Alolah	Hybrid CHB-TVSI Multilevel Voltage Source Inverter	10,141,865	27/11/2018			15/823,192	27/11/2017	KSU	Engineering	USPTO
375	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Ortashi Wadha Khalaf Alenazi	Synthesis of Titanium Dioxide Nanoparticles Using Origanum Majorana Herbal Extracts	10,138,135	27/11/2018			15/961,783	24/4/2018	KSU	Physics	USPTO
376	Amani Shafeek Awaad Shekhah Saud Almoqren Amalahmed Safhi Yara Mohamed Zain Reham Mostafa El-Meligy Fatmah Ali Al-Asamary	Gastroprotective Extracts of Sonchus Oleraceus L.	10,137,162	27/11/2018			15/881,653	26/1/2018	KSU	Pharmaceutical	USPTO
377	Abd El-Galil Amr Mohamed Al-Omar Abdulrahman Almehezia Ahmed Naglah	Sulfonylurea Derivatives of Oleanolic Acid	10,137,138	27/11/2018			15/991,916	29/5/2018	KSU	Pharmaceutical	USPTO
378	Ayman Atta Mahmood Abdullah Hamad Al-Lohedan	Hydrophobic Nanoparticle Compositions for Crude Oil Collection	10,131,556	20/11/2018			15/959,074	20/4/2018	KSU	Chemistry	USPTO
-	Abdullah Omar Al-Dhfyhan Hatem A. Abdel-Aziz Pulicat Subramanian Manogran Monther Mohammad Al-Alwan Hazem M. Bachir Ghebeh Kamal El-Din Hussein El-Tahir	Benzo-Thiazolo-Imidazole Compounds and Uses Thereof	EP 3070092	7/11/2018	EP 3070092 A1	21/9/2016	EP 15159402.5	17/3/2015	KSU & KFSH&RC	Medical	EPO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
379	Abdullah Omar Al-Dhfyan Hatem A. Abdel-Aziz Pulicat Subramanian Manogran Monther Mohammad Al-Alwan Hazem M. Bachir Ghebeh Kamal El-Din Hussein El-Tahir	Benzo-Thiazolo-Imidazole Compounds and Uses Thereof					EP 15159402.5	17/3/2015	KSU & KFSH&RC	Medical	DPMA
380	Abdullah Omar Al-Dhfyan Hatem A. Abdel-Aziz Pulicat Subramanian Manogran Monther Mohammad Al-Alwan Hazem M. Bachir Ghebeh Kamal El-Din Hussein El-Tahir	Benzo-Thiazolo-Imidazole Compounds and Uses Thereof					EP 15159402.5	17/3/2015	KSU & KFSH&RC	Medical	INPI
381	Abdullah Omar Al-Dhfyan Hatem A. Abdel-Aziz Pulicat Subramanian Manogran Monther Mohammad Al-Alwan Hazem M. Bachir Ghebeh Kamal El-Din Hussein El-Tahir	Benzo-Thiazolo-Imidazole Compounds and Uses Thereof					EP 15159402.5	17/3/2015	KSU & KFSH&RC	Medical	UKIPO
382	Mohammad Iqbal Khan Galal Fares Shehab Eldin Mourad	Fire Resistant Cementitious Composite and Method of Make the Same	6187	4/11/2018	116370713	21/6/2016	14/789,981	1/7/2015	KSU	Engineering	SAIP
-	Abdulrahman Warthan Ahmed Hadj Ahmed Zeid Al Othman Ahmad Aqel	Liquid Chromatography Device	EP 2626697	31/10/2018	EP 2626697	14/8/2013	EP 12154228.6	7/2/2012	KSU	Nanotechnology	EPO
383	Abdulrahman Warthan Ahmed Hadj Ahmed Zeid Al Othman Ahmad Aqel	Liquid Chromatography Device					EP 12154228.6	7/2/2012	KSU	Nanotechnology	DPMA
384	Abdulrahman Warthan Ahmed Hadj Ahmed Zeid Al Othman Ahmad Aqel	Liquid Chromatography Device					EP 12154228.6	7/2/2012	KSU	Nanotechnology	INPI

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
385	Abdulrahman Warthan Ahmed Hadj Ahmed Zeid Al Othman Ahmad Aqel	Liquid Chromatography Device					EP 12154228.6	7/2/2012	KSU	Nanotechnology	UKIPO
386	Abdulrahman Abdullah Alshammaa Abdullah Mohammed Noman Khaled Ebraheem Addoweesh Ayman Abdullah Alabduljabbar Abdulrahman Ibrahim Alolah	Multilevel Cascade Hexagonal Voltage Source Converter with Isolated DC Sources	10,116,229	30/10/2018			15/709,282	19/9/2017	KSU	Engineering	USPTO
387	Devanesan Sandhanasamy Mohamad Saleh Alsahli Periyasami Govindasami Ali Kanakhir Aldalbahi	Method of Preparing Biologically Active Derivatives from Calotropis Gigantea Flowers	10,111,918	30/10/2018			15/911,009	2/3/2018	KSU	Physics	USPTO
388	Mashooq Ahmad Bhat Mohamed A. Al-omar	Dihydropyrimidinone Derivatives	10,111,873	30/10/2018			15/873,450	17/1/2018	KSU	Pharmaceutical	USPTO
389	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Ortashi Dina Wafiq Soliman	Synthesis of Silver-Pmma Nanocomposite Film Using Herbal Extract	10,111,441	30/10/2018			15/956,675	18/4/2018	KSU	Physics	USPTO
390	Hanan Nejer Sahil Alotaibi Waled Mohammed Alshhrani	Adjustable Fixator For Scanning Dental Casts	6176	23/10/2018			116380164	8/12/2016	KSU	Dentist	SAIP
391	Ali Abdullah Alshatwi Jegan Athinarayanan Vaiyapuri Subbarayan Periasamy	Method for Producing Noble Metal Nanocomposites	10,106,895	23/10/2018			15/474,760	30/3/2017	KSU	Agriculture	USPTO
392	Nagy Mahmoud Khalifa Mohamed Al-Omar Hamad Alkahtani Ahmed Bakheit	Pyrido[2,3-d]Pyrimidines as Anticancer Agents	10,100,054	16/10/2018			15/944,734	3/4/2018	KSU	Pharmaceutical	USPTO
393	Obida Mohamed Zeitoun Hany Alansary Abdullah Othman Nuhait	Multi-Effects Desalination System	10,099,154	16/10/2018	15/132,715		14/679,997	6/4/2015	KSU	Rationalization and Desalination	USPTO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
394	Amani Shafeek Awaad Menatallah Mohamed Allah Lara Ayman El-Sawaf Reham Mostafa El-Meligy Fatmah Ali Al-Asamary	Anticancer Extracts of Alpinla Officinarum Hance	10,098,924	16/10/2018			15/878,367	23/1/2018	KSU	Pharmaceutical	USPTO
395	Mamdouh Monif Monif	Systems and Methods to Measure Fluid in a Body Segment	10,098,556	16/10/2018	15/189,118	22/6/2016	14/287,974	27/5/2014	KSU	Medical	USPTO
396	Lama Ahmed Al-Kahlan	Dental Education Model	10,096,267	9/10/2018			15/864,744	8/1/2018	KSU	Dentist	USPTO
397	Ehab Salaheldin Mohamed	Three-Dimensional Space-Division Y-Splitter for Multicore Optical Fibers	10,094,980	9/10/2018			14/994,034	12/1/2016	KSU	Engineering	USPTO
398	Said Al-Jaroudi Ali Alhoshani Muhammad Altaf Anvarhusein Isab	Composition Containing a Gold (I) Complex and Cancer Cells	10,093,689	9/10/2018	15/990,289	25/5/2018	62/326,389	22/4/2016	KSU & KFUPM	Chemistry	USPTO
399	Abdullah Saeed Alayad	Elastically Tensioned Dental Matrix Wedge	10,092,372	9/10/2018			15/944,739	3/4/2018	KSU	Dentist	USPTO
400	Raja Rizwan HUSSAIN Abdulrahman Alhozaimy Abdulaziz Al-Negheimish Devendra Deo Narain Singh	Anti-Corrosion Treatment Composition for Steel Rebar Embedded in Concrete	6143	4/10/2018			116380155	5/12/2016	KSU	Engineering	SAIP
401	Jothi Ramalingam Siva Chidambaram Judith Vijaya Hamad Al-Lohedan	Method of Making a Porous Nano-Carbon Electrode from Biomass	10,090,117	2/10/2018			15/872,892	16/1/2018	KSU	Chemistry	USPTO
402	Ali Ali Elgamal Manal Ahmed Awad Rabab Abd Moneim El Dib Shaza Mohamed Al-Massarani Omer Ahmed Basudan	Green Synthesis of Katononic Acid Nanosheets	10,086,027	2/10/2018			15/909,939	1/3/2018	KSU	Physics	USPTO
403	Zakariya Kaneesamkandi Moochikootathil	Cooling Fixture for Solar Photovoltaic Panels	6133	27/9/2018			116370500	5/4/2016	KSU	Engineering	SAIP

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
404	MD. Ashrafuzzaman Chih-Yuan Tseng	Method for Direct Detection of Lipid Binding Agents in Membrane	6132	27/9/2018			116380022	11/10/2016	KSU	Chemistry	SAIP
405	Mostafa Abdelhamid Ahmed	Pulser Logic Method and System for an Ultrasound Beamformer	6131	27/9/2018			116370497	5/4/2016	KSU	Software	SAIP
406	Raja Rizwan HUSSAIN Abdulrahman Alhozaimey Abdulaziz Al-Negheimish DDN Singh	Method of Ascertaining Fully Grown Passive Film Formation on Steel Rebar Embedded in Concrete	6130	27/9/2018			116370973	27/9/2016	KSU	Engineering	SAIP
407	Mostafa Abdelhamid Ahmed	Pressure Profile Data Coding System and Method	6129	27/9/2018			116370961	25/9/2016	KSU	Software	SAIP
408	Ehab Salaheldin Mohamed Mohamed R. Abdel-Rahman	Optical Absorber for Long-Wave Infrared Radiation	6128	27/9/2018			116370242	25/1/2016	KSU	Engineering	SAIP
409	Abdullah Omar Al-Dhfyhan Mashooq Ahmad Bhat	Method for Treating Cancer Using a Dihydropyrimidine Derivative	6127	27/9/2018			116370427	17/3/2016	KSU & KFSH&RC	Medical	SAIP
410	Mohammad Iqbal Khan Galal Fares Shehab Eldin Mourad Wasim Abbass	Strain-Hardening Cementitious Composite	6125	27/9/2018			116370959	25/9/2016	KSU	Engineering	SAIP
411	Khalid Al-Balkhi Sahar Faisal Al-Barakati	Canine Tooth Traction Device and Method	6124	27/9/2018			116370393	7/3/2016	KSU	Dentist	SAIP
412	Reem Siraj Alsulaimani Sara Nasser Aldosary	Integral Restoration Matrix System	10,080,626	25/9/2018			15/828,124	30/11/2017	KSU	Dentist	USPTO
413	Said Al-Jaroudi Ali Alhoshani Muhammad Altaf Anvarhusein Isab	Antiproliferative, in Vitro Cytotoxic Evaluations and Biological Structure-Activity Relationship of Dithiocarbamate Phosphine Gold (L) Complexes	10,077,280	18/9/2018			15/351,585	15/11/2016	KSU & KFUPM	Chemistry	USPTO

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
414	Yahia Nasser Mabkhot Jamal Mohammed Khaled Mujeeb Abdullah Sultan Fahd Ali Nasr Mohammed Naiyf Sultan Alharbi Salim Showiman Al- Showiman Hazem Ahmed Ghabbour	Enaminone-Grafted Trithiocarbonate Derivative with Anticancer and Antimicrobial Activity	10,071,960	11/9/2018			15/726,263	5/10/2017	KSU	Chemistry	USPTO
415	Sahar Asaad Alzain	Device for Recording Vertical and Centric Occlusion Positions of Edentulous Jaws	10,070,946	11/9/2018			15/833,868	6/12/2017	KSU	Dentist	USPTO
416	Sahar Faisal Al Barakati Bader Khalid Al Balkhi	Orthodontic Cinch Back Instrument	10,070,942	11/9/2018			15/811,320	13/11/2017	KSU	Dentist	USPTO
417	Jegan Athinarayanan Ali Abdullah Alshatwi Vaiyapuri Subbarayan Periasamy	Method of Fabricating Biocompatible Cellulose Nanofibrils	10,066,028	4/9/2018			15/593,145	11/5/2017	KSU	Agriculture	USPTO
418	Abdulrahman Al-Ahmari Abdullah Yahia Alfaify Mohamed Hamid Hamid	Adjustable Build Envelope for Powder Bed Fusion Machines	10,065,242	4/9/2018			15/909,933	1/3/2018	KSU	Engineering	USPTO
419	Naif Abdullahal-Dhabi Savarimuthu Ignacimuthu P. Pandikumar Erenius Toppo Sylvester Darwin	Isoandrographolide -19-Propionate for Treatment of Non- Alcoholic Fatty Liver Disease (NAFLD)	10,064,841	4/9/2018			15/864,704	8/1/2018	KSU	Biology	USPTO
420	Abd El-Galil Amr Mohamed Al-Omar Abdulrahman Almehezia	Abietic Acid Derivatives as Anti- Tumor Agents	10,064,837	4/9/2018			15/897,912	15/2/2018	KSU	Pharmaceutical	USPTO
421	Mohamad Saleh Alsalhi Sandhanasamy Devanesan	Synthesis of Silver Nanoparticles from Abelmoschus Esculentus Extract	10,059,601	28/8/2018			15/730,653	11/10/2017	KSU	Physics	USPTO
422	Ali Abdullah Alshatwi Jegan Athinarayanan Periasamy Vaiyapuri Subbarayan	PH Sensing Biofilm	10,054,548	21/8/2018			15/802,055	2/11/2017	KSU	Agriculture	USPTO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
423	Sartaj Tabassum Hamad Al-Lohedan Hazem Ghabour Mohd Sajid Ali Rais Ahmad Khan Fohad Mabood Husain	Anti-Quorum and DNA Cleaving Agent	10,053,480	21/8/2018			15/730,637	11/10/2017	KSU	Chemistry	USPTO
424	Mashooq Ahmad Bhat Mohamed Al-Omar	Antihepatotoxic Agents	10,052,326	21/8/2018			15/782,462	12/10/2017	KSU	Pharmaceutical	USPTO
425	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Ortashi Amel Laref	Green Synthesis of Reduced Graphene Oxide Silica Nanocomposite Using Nigella Sativa Seeds Extract	10,052,302	21/8/2018			15/151,459	10/5/2016	KSU	Physics	USPTO
-	Inas Al-Nashef Saeed Al-Zahrani	Deep Eutectic Solvent and Method for its Preparation	EP 2597099	15/8/2018	EP 2597099 A1	29/5/2013	EP 11190292.0	23/11/2011	KSU	Engineering	EPO
426	Inas Al-Nashef Saeed Al-Zahrani	Deep Eutectic Solvent and Method for its Preparation					EP 11190292.0	23/11/2011	KSU	Engineering	DPMA
427	Inas Al-Nashef Saeed Al-Zahrani	Deep Eutectic Solvent and Method for its Preparation					EP 11190292.0	23/11/2011	KSU	Engineering	INPI
428	Inas Al-Nashef Saeed Al-Zahrani	Deep Eutectic Solvent and Method for its Preparation					EP 11190292.0	23/11/2011	KSU	Engineering	UKIPO
429	Ehab Salaheldin Mohamed	Variable Optical Splitter System	10,048,441	14/8/2018			15/822,075	24/11/2017	KSU	Engineering	USPTO
430	Mashooq Ahmad Bhat Mohamed A. Al-omar	Dihydropyrimidinone Derivatives	10,047,071	14/8/2018			15/871,927	15/1/2018	KSU	Pharmaceutical	USPTO
431	Nagy Mahmoud Khalifa Mohamed A. Al-omar	Substituted Pyrazole Derivative	10,039,749	7/8/2018			15/871,943	15/1/2018	KSU	Pharmaceutical	USPTO
432	Naif Abdullah Al-Dhabi Savarimuthu Ignacimuthu Chandrasekar Balachandran Veeramuthu Duraipandian	Process for Obtaining a Naphthoquinone Derivative from Streptomyces Sp.	10,036,048	31/7/2018			15/839,594	12/12/2017	KSU	Biology	USPTO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
433	Manal Ahmed Awad Rabab Abd El Moneim El Dib Shaza Mohamed Al-Massarani Ali Ali El-Gamal	Synthesis of Nuxia Oppositifolia Nanoparticles	10,028,988	24/7/2018			15/611,768	26/5/2017	KSU	Physics	USPTO
434	Khalid Abdullah Alruhaimi	Dental Appliance-Holding Bracket Assembly	10,028,807	24/7/2018			15/789,511	20/10/2017	KSU	Dentist	USPTO
435	Abdullah Al-Enizi Tansir Ahamad Saad Alshehri Mu Naushad	Oxygen Reduction Reaction Electrocatalyst	10,026,970	17/7/2018			15/839,693	12/12/2017	KSU	Chemistry	USPTO
436	Yousef Abdullah Almotlaq Mazen Baabbad Hany Alansary Essam Al Ammar	Solar Cooling and Water Desalination System	10,022,646	17/7/2018			15/785,238	16/10/2017	KSU & Qudra Energy Company	Rationalization and Desalination	USPTO
-	Alaa A. Abdel-Aziz Adel S. El-Azab Amer M. Alazazi Yousif A. Asiri Ibrahim A. Al-Suwaidan	7-substituted piperazin-1-yl fluoroquinolone compounds, their use in the treatment of cancer, pharmaceutical compositions and a method for preparation	EP 2987533	11/7/2018	EP 2987533 A1	24/2/2016	EP 14181731.2	21/8/2014	KSU	Pharmaceutical	EPO
437	Alaa A. Abdel-Aziz Adel S. El-Azab Amer M. Alazazi Yousif A. Asiri Ibrahim A. Al-Suwaidan	7-substituted piperazin-1-yl fluoroquinolone compounds, their use in the treatment of cancer, pharmaceutical compositions and a method for preparation					EP 14181731.2	21/8/2014	KSU	Pharmaceutical	DPMA

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
438	Alaa A. Abdel-Aziz Adel S. El-Azab Amer M. Alazazi Yousif A. Asiri Ibrahim A. Al-Suwaidan	7-substituted piperazin-1-yl fluoroquinolone compounds, their use in the treatment of cancer, pharmaceutical compositions and a method for preparation					EP 14181731.2	21/8/2014	KSU	Pharmaceutical	INPI
439	Alaa A. Abdel-Aziz Adel S. El-Azab Amer M. Alazazi Yousif A. Asiri Ibrahim A. Al-Suwaidan	7-substituted piperazin-1-yl fluoroquinolone compounds, their use in the treatment of cancer, pharmaceutical compositions and a method for preparation					EP 14181731.2	21/8/2014	KSU	Pharmaceutical	UKIPO
-	Awatif Ahmed Hendi Manal A. Awad Nada E. Eisa Khaled M Ortashi	Noble Metal Nanoparticles, Method for Preparing the Same and Their Application	EP 2878401	11/7/2018	EP 2878401 A1	3/6/2015	EP 13194693.1	27/11/2013	KSU	Chemistry	EPO
440	Awatif Ahmed Hendi Manal A. Awad Nada E. Eisa Khaled M Ortashi	Noble Metal Nanoparticles, Method for Preparing the Same and Their Application					EP 13194693.1	27/11/2013	KSU	Chemistry	DPMA
441	Awatif Ahmed Hendi Manal A. Awad Nada E. Eisa Khaled M Ortashi	Noble Metal Nanoparticles, Method for Preparing the Same and Their Application					EP 13194693.1	27/11/2013	KSU	Chemistry	INPI
442	Awatif Ahmed Hendi Manal A. Awad Nada E. Eisa Khaled M Ortashi	Noble Metal Nanoparticles, Method for Preparing the Same and Their Application					EP 13194693.1	27/11/2013	KSU	Chemistry	UKIPO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
443	M. Adel Zakri Abdullah Abdulaziz Al-Doss Mohammed Ali Al-Saleh Ahmed Abd Elrahim Ali Basem Sayed Abbas Ahmed	Nanobody Against Begomoviruses	10,017,560	10/7/2018			15/815,569	16/11/2017	KSU	Agriculture	USPTO
444	Nabil Ahmed Al-Zeqri Ismail Khalil Warad Firas Fandi Awwadi Ali Mohammed Alsalme Anas Khaled Abed Alali Abdelkader Zarrouk	Method of Synthesizing (E)-1,2-Di(Pyridin-2-Yl)Ethene-1,2-Diol	10,017,474	10/7/2018			15/860,578	2/1/2018	KSU	Chemistry	USPTO
445	Nabil Ahmed Al-Zaqri Ismail Khalil Warad Ali Mohammed Alsalme Mujeeb Abdullah Sultan	Method of Making Palladium Nanoparticles	10,016,752	10/7/2018			15/715,008	25/9/2017	KSU	Chemistry	USPTO
446	Amani Shafeek Awaad Ahmed Mahmoud Alafify Reham Mostafa El-Meligy	Anti-Ulcerative Colitis Compound	10,016,425	10/7/2018			15/343,154	3/11/2016	KSU	Pharmaceutical	USPTO
447	Obida Mohamed Zeitoun Hany Alansary Abdullah Othman Nuhait	Multi-Effects Desalination System	5988	5/7/2018			116370498	5/4/2016	KSU	Rationalization and Desalination	SAIP
448	Hesham Rabie Fouli Ali M. Al-samhan Shkelzen Hykaj Ermal Mullalli	Wave Energy Convertor Using Oscillating Pendulums	5987	5/7/2018			116370239	25/1/2016	KSU	Energy and renewable energy	SAIP
449	Rajabathar Jothi Ramalingam Hamad Al-Lohedan	Composite Electrode Material for Supercapacitors	10,014,124	3/7/2018			15/717,646	27/9/2017	KSU	Chemistry	USPTO
450	Mohammad Ibrahim Alwabel Jamal Tagelsir Elsheikh Adel Rabie Usman	Encapsulated Sustained Release Urea Fertilizer	10,011,536	3/7/2018			15/710,735	20/9/2017	KSU	Agriculture	USPTO
451	Usman Ali Rana Arfat Anis Ayman Nafady Saeed Al-Zahrani	Nitrogen and Phosphorus Co-Doped Crystalline Carbon Materials	10,010,866	3/7/2018			15/709,330	19/9/2017	KSU	Engineering	USPTO
452	Fars K. Alanazi Sameh Rabea Mohammed Mounir M. Salem Bekhit	Method for Prepare The Ghosts of the Bacteria Using the Tween 80	5965	26/6/2018			116380159	7/12/2016	KSU	Pharmaceutical	SAIP

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
453	Sami Al-Ghannam Yasin Khan	GSM/GPRS Based Method, System, and Computer Programs to Determine and Locate High Impedance Faults on Medium Voltage Distribution Networks in High Resistivity	EP 2895873	30/5/2018	EP 2895873 A1	22/7/2015	EP 13176706.9	13/9/2013	<b>KSU &amp; ARAMCO</b>	Engineering	EPO
454	Hamad Zaid Alkhathlan Merajuddin Khan Mahmood Abdullah Abdullah Al-Mayouf	Method of Protecting Metal from Corrosion Using Plant-Derived Anti-Corrosion Agents	9,988,726	5/6/2018			15/788,555	19/10/2017	<b>KSU</b>	Chemistry	USPTO
455	Yahia Nasser Mabkhot Jamal Mohammed Ali Khaled Mujeeb Abdullah Saeed Sultan Salim S. Al-Showiman Naiyf Sultan Helial Alaloi Alharbi Hazem Ahmed Ghabbour	Synthesis and Antimicrobial Use of a Trithiocarbonate Derivative	9,988,348	5/6/2018			15/615,765	6/6/2017	<b>KSU</b>	Chemistry	USPTO
456	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Ortashi Amel Laref	Green Synthesis of Reduced Graphene Oxide Using Nigella Sativa Seed Extract	9,988,276	5/6/2018	15/597,324	17/5/2017	15/151,466	10/5/2016	<b>KSU</b>	Physics	USPTO
457	Mu Naushad Ayoub Abdullah Alqadam Tansir Ahamad Zeid Abdullah Alothman Saad Alshehri	Carboxylic Functionalized Magnetic Nanocomposite	9,987,617	5/6/2018			15/722,898	2/10/2017	<b>KSU</b>	Chemistry	USPTO
458	Hessah Abdullah Alhuwaish Khalid Abdulrahman Almoammar	Occlusal Canting Identifying Tool	9,987,111	5/6/2018			15/587,330	4/5/2017	<b>KSU</b>	Dentist	USPTO
459	Faisal Saud Fakhouri Abdulaziz Saud Fakhouri Justo Juvian Torres-Rodriguez	Pneumatic Actuator for Dispensing Surgical Staples	9,987,009	5/6/2018			15/729,515	10/10/2017	<b>KSU</b>	Medical	USPTO
460	Mansour Hamad Al Askar	Gingival Graft Stabilizer	5938	31/5/2018			116370496	5/4/2016	<b>KSU</b>	Dentist	SAIP

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
461	Abdullah Omar Al-Dhfyar Hatem A. Abdel-Aziz Pulicat Subramanian Manogran Monther Mohammad Al-Alwan Hazem M. Bachir Ghebeh Kamal El-Din Hussein El-Tahir	Benzo-Thiazolo-Imidazole Compounds and Uses Thereof	5937	31/5/2018			116370418	14/3/2016	<b>KSU &amp; KFSH&amp;RC</b>	Medical	SAIP
462	Abd El-Galil Amr Mohamed Al-Omar Ahmed Naglah	Pentacyclic Triterpenoidal Derivatives	9,975,917	22/5/2018			15/710,721	20/9/2017	<b>KSU</b>	Pharmaceutical	USPTO
463	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Ortashi Amel Laref	Green Synthesis of Reduced Graphene Oxide Using Nigella Sativa Seed Extract	9,975,780	22/5/2018			15/597,349	17/5/2017	<b>KSU</b>	Physics	USPTO
464	Shaza Al-Massarani Rabab El Dib Ali Ali El-Gamal Manal Ahmed Awad	Synthesis of Ifflaionic Acid Nanoparticles	9,974,750	22/5/2018			15/785,277	16/10/2017	<b>KSU</b>	Chemistry	USPTO
465	Manal Ahmed Awad Awatif Ahmed Hendi Mai Abdelrahman Elobeid Promy Virk Khalid Mustafa Osman Ortashi	Method of Treating Diabetic Wounds Using Biosynthesized Nanoparticles	9,974,749	22/5/2018			14/877,916	7/10/2015	<b>KSU</b>	Biology	USPTO
466	Ahmed Naglah Abd El-Galil Amr Mohamed Alomar	Oleanolic Acid Methyl Ester Derivatives	9,969,768	15/5/2018			15/815,587	16/11/2017	<b>KSU</b>	Pharmaceutical	USPTO
467	Sartaj Tabassum Hasan Hamad Al-lohedan	Combination Microarray Patch for Drug Delivery and Electrochemotherapy Device	9,968,767	15/5/2018			15/729,490	10/10/2017	<b>KSU</b>	Chemistry	USPTO
468	Layla Abdulkareem Al Juhaiman Nagwa Mohamed Amin Aref Waffa Kotb Mekhamer	Method of Using a Clay Composition Suspension to Prevent Viral and Phytoplasma Diseases in Plants	5888	1/5/2018			116370673	5/6/2016	<b>KSU</b>	Biology	SAIP
469	Mohamed Zaki Ramadan	Ergonomic Keyboard	GC0007653	26/4/2018	GC2012/21260	13/5/2012	PCT/US11/37067	18/5/2011	<b>KSU</b>	Engineering	GCCPO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
470	Husain Abbas Yousef A. Al-Salloum Tarek H. Almusallam	Concrete-Filled Steel Tubular Column for High Load Carrying Capacity and Fire Resistance	5856	15/4/2018	115370089	19/11/2015	14/554,449	26/11/2014	KSU	Engineering	SAIP
471	Yousef A. Al-Salloum Husain Abbas Tarek H. Almusallam	Interlocking Masonry Blocks for Construction of Load Bearing and non-load Bearing Walls	5855	15/4/2018	115370088	19/11/2015	14/554,273	26/11/2014	KSU	Engineering	SAIP
472	Mazen Ba-abbad Hany Al-Ansary Essam Al-Ammar	Two Axis Solar Tracking System	5837	5/4/2018	115360582	3/6/2015	14/298,283	6/6/2014	KSU	Energy and renewable energy	SAIP
473	Veeramani Chinnadurai Khalid S. Al-Numair Mohammed A. Alsaif	Biomimetic Synthesis of Antihyperglycemic Silver Nanoparticles	9,907,817	6/3/2018			15/705,196	14/9/2017	KSU	Nanotechnology	USPTO
474	Obida Mohamed Zeitoun Hany Alansary Abdullah Othman Nuhait	Desalination System	5783	5/3/2018	116370742	29/6/2016	14/790,993	2/7/2015	KSU	Rationalization and Desalination	SAIP
475	Mahmoud Saeed Abdullah Ayman Atta Hamad Al-Lohedan Hamad Alkathlan Merajuddin Khan Abdulrahman Ezzat	Biosynthesized Magnetic Metal Nanoparticles for Oil Spill Remediation	9,901,903	27/2/2018			15/705,191	14/9/2017	KSU	Chemistry	USPTO
-	Hesham Rabie Fouli Ali M. Al-samhan Shkelzen Hykaj Ermal Mullalli	Wave Energy Convertor Using Oscillating Pendulums	EP 3051122	21/2/2018	EP 15197707	3/12/2015	14/607,691	28/1/2015	KSU	Energy and renewable energy	EPO
476	Hesham Rabie Fouli Ali M. Al-samhan Shkelzen Hykaj Ermal Mullalli	Wave Energy Convertor Using Oscillating Pendulums					14/607,691	28/1/2015	KSU	Energy and renewable energy	DPMA
477	Hesham Rabie Fouli Ali M. Al-samhan Shkelzen Hykaj Ermal Mullalli	Wave Energy Convertor Using Oscillating Pendulums					14/607,691	28/1/2015	KSU	Energy and renewable energy	INPI
478	Hesham Rabie Fouli Ali M. Al-samhan Shkelzen Hykaj Ermal Mullalli	Wave Energy Convertor Using Oscillating Pendulums					14/607,691	28/1/2015	KSU	Energy and renewable energy	UKIPO

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
479	Ali Abdullah Alshatwi Jegan Athinarayanan Periasamy Vaiyapuri Subbarayan Khalid Abdulkarim Alataiah	Method of Producing Cellulose Nanostructures	9,896,661	20/2/2018			15/343,163	3/11/2016	KSU	Agriculture	USPTO
480	Mohammad Rezaul Karim Muhammad Omer Aijaz Nabeel Al-Harthi	Antiseptic and Fragrance-Free Soap	9,896,651	20/2/2018			15/589,787	8/5/2017	KSU	Engineering	USPTO
481	Abd El-Galil Amr Mohamed Al-Omar Nagy Mahmoud Khalifa	Glycyrrhetic Acid Derivatives	9,896,476	20/2/2018			15/711,926	21/9/2017	KSU	Pharmaceutical	USPTO
482	Ali Abdullah Alshatwi Jegan Athinarayanan Periasamy Vaiyapuri Subbarayan	Synthesis of Nanostructures from Phoenix Dactylifera Agro-Wastes	9,896,342	20/2/2018			15/717,604	27/9/2017	KSU	Agriculture	USPTO
483	Ayman Al-Jazaeri	Wound Closure Device	9,895,146	20/2/2018			15/714,986	25/9/2017	KSU	Medical	USPTO
484	Mamdouh Monif Monif	Systems and Methods to Measure Fluid in a Body Segment	9,895,069	20/2/2018	US 2015088018 A1	26/3/2015	14/287,974	27/5/2014	KSU	Medical	USPTO
485	Layla Al Juhaiman Nagwa Amin Aref Waffa Kotb Mekhamer	Method of Using a Clay Composition Suspension to Prevent Viral and Phytoplasma Diseases in Plants	9,894,896	20/2/2018			14/735,092	9/6/2015	KSU	Biology	USPTO
486	Sahar Faisal Albarakati Bader Khalid Albalkhi	Dental Tool	D 810,939	20/2/2018			29/589,799	4/1/2017	KSU	Dentist	USPTO
487	Shereef Aly Sadek	Aerial Vehicle	D 810,621	20/2/2018			29/561,056	12/4/2016	KSU	Engineering	USPTO
488	Ahmed Mohammed Nabawy Elsayed Mohmed Sherif Khalil Abdelrazek Khalil	Method of Preparing a Metal Matrix Nanocomposite	9,890,442	13/2/2018			15/462,459	17/3/2017	KSU	Engineering	USPTO
489	Manal Ahmed Awad Rabab El Dib Awatif Ahmed Hendi Shaza Al-Massarani Khalid Mustafa Ortashi	Synthesis of Nanoparticles Using Balanites Aegyptiaca	9,889,170	13/2/2018			15/287,653	6/10/2016	KSU	Physics	USPTO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
490	Fars K. Alanazi Sayed Hassan Oudah	Triple Pharmaceutical Formula as Rheumatoid Anti-Inflammatory	5722	24/1/2018			117380410	13/2/2017	KSU	Pharmaceutical	SAIP
491	Abdulrahman Almansour Natarajan Arumugam Raju Suresh Kumar Periasamy Vaiyapuri Subbarayan Ali Abdullah Alshatwi Jegan Athinarayanan	Anti-Cancer Agents	9,873,699	23/1/2018			15/462,744	17/3/2017	KSU	Agriculture	USPTO
492	Ayman El-Faham Zeid ALOthman Sameh Mahmoud Osman	Synthesis of Metal Nanoparticles Using Modified Mpeg Polymer	9,873,153	23/1/2018			15/465,230	21/3/2017	KSU	Chemistry	USPTO
493	Sara Mohammad Al Taweel Hanan Nejer Sahil Alotaibi Huda Ahmed Hanash Alshehri	Bite Registration Block and Bite Registration Kit Including the Same	9,872,749	23/1/2018			15/169,708	31/5/2016	KSU	Dentist	USPTO
494	Mohammed Taher Bukhary Ferdous Taher Bukhary Sahar Faisal Sharaf Albarakati	Orthodontic Bracket	9,872,744	23/1/2018			15/084,432	29/3/2016	KSU	Dentist	USPTO
495	Sahar Faisal Albarakati Bader Khalid Albalkhi	Orthodontic Hand Instrument	9,872,742	23/1/2018			15/384,177	19/12/2016	KSU	Dentist	USPTO
496	Jamal Saleh Al-Wakeel	Bifurcated Peritoneal Catheter	9,861,734	9/1/2018			15/076,614	21/3/2016	KSU	Medical	USPTO
497	Mashooq Ahmad Bhat Mohamed Al-Omar	Dihydropyrimidinone Derivatives	9,856,232	2/1/2018			15/628,476	20/6/2017	KSU	Pharmaceutical	USPTO
498	Nagy Mahmoud Hassan Khalifa Mohamed Al-Omar Abd El-Galil Amr	Substituted Naphthyridinyl Hydrazines as Anti-Liver Cancer Agents	9,855,255	2/1/2018			15/607,397	26/5/2017	KSU	Pharmaceutical	USPTO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
<b>2017</b>											
-	Ayman Mohamady Atta Amro Khalil Fakhry Dyab	Coated Magnetite Nanoparticles, Method for the Preparation Thereof and Their Use	EP 2804186	27/12/2017	EP 2804186	19/11/2014	EP 13167616.5	14/5/2013	KSU	Chemistry	EPO
499	Ayman Mohamady Atta Amro Khalil Fakhry Dyab	Coated Magnetite Nanoparticles, Method for the Preparation Thereof and Their Use			EP 2804186	19/11/2014	EP 13167616.5	14/5/2013	KSU	Chemistry	DPMA
500	Ayman Mohamady Atta Amro Khalil Fakhry Dyab	Coated Magnetite Nanoparticles, Method for the Preparation Thereof and Their Use			EP 2804186	19/11/2014	EP 13167616.5	14/5/2013	KSU	Chemistry	INPI
501	Ayman Mohamady Atta Amro Khalil Fakhry Dyab	Coated Magnetite Nanoparticles, Method for the Preparation Thereof and Their Use			EP 2804186	19/11/2014	EP 13167616.5	14/5/2013	KSU	Chemistry	UKIPO
502	Ayman Atta Mahmood Abdullah Hamad Al-Lohedan	Composition and Method for Enhanced Oil Recovery	9,850,420	26/12/2017			15/603,378	23/5/2017	KSU	Chemistry	USPTO
503	Aymanm Atta Hamad Al-Lohedan Abdelrahman Ezzat Mahmood Abdullah	Synthesis of Bimetallic Oxide Nanocomposites Using Poly (IONIC LIQUID)	9,850,389	26/12/2017			15/466,597	22/3/2017	KSU	Chemistry	USPTO
504	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Ortashi Amel Laref	Green Synthesis of Reduced Graphene Oxide Using Nigella Sativa Seed Extract	9,850,133	26/12/2017	15/597,261	17/5/2017	15/151,466	10/5/2016	KSU	Physics	USPTO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
505	Abdel Fattah Sheta Majeed Alkanhal	Tunable Filter Comprising a Microstrip Patch Having Symmetrical Slots, Asymmetrical Feed Lines And a Plurality of Diodes	9,831,538	28/11/2017	14/439,401	31/10/2012			KSU	Engineering	USPTO
506	Aymanm Atta Hamad Al-Lohedan Abdelrahman Ezzat	Synthesis of Modified Chitosan Particles for Oral Insulin Delivery	9,828,445	28/11/2017			15/378,017	13/12/2016	KSU	Chemistry	USPTO
507	Maqsood Mahmud Muhammad Khan Khaled Alghathbar	Systems and Methods Improving Cryptosystems With Biometrics	9,825,761	21/11/2017	12/755,363	6/4/2010			KSU	Software	USPTO
508	Yousef A. Al-Salloum Mohamed S. Morsy Tarek H. Almusallam Husain Abbas	Interlocking and Insulated Construction Block	9,822,529	21/11/2017			15/345,984	8/11/2016	KSU	Engineering	USPTO
509	Assem Barakat Mohammad Shahidul Islam Abdullah Al-Majid Hussain Mansur Ghawas Fardus F. El-Senduny Farid A. Bsdria Yaseen Ali Mosa Mohamed Elshaier Hazem Ghabbour	Substituted Spirooxindoles	9,822,128	21/11/2017			15/611,771	26/5/2017	KSU	Chemistry	USPTO
510	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Ortashi Amel Laref Nawal Ahmad Madkhali Hajar Abdullah Aldakhil Fatmah Yahia Al-Abbas Lena Jassim	Synthesis of Reduced Graphene Oxide Nanoparticles	9,815,701	14/11/2017			15/442,606	24/2/2017	KSU	Physics	USPTO
511	Amro Al-Habib Abdulrahman Al-Ahmari Wadea Ameen	Lumbar Spine Pedicule Screw Guide	9,814,497	14/11/2017			15/591,041	9/5/2017	KSU	Medical	USPTO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
512	Mashooq Ahmad Bhat Mohamed a. Al-omar Mohammad Raish Mushtaq Ahmad Ansari Hatem A. Abuelizz	Cyclooxygenase Inhibitors	9,808,443	7/11/2017			15/362,733	28/11/2016	KSU	Pharmaceutical	USPTO
513	Vadivel Masilamani Mohamad Saleh Alsalmi Sandhanasamy Devanesan	Spectral Method for Quantifying Hemoglobin Fragility Caused by Smoking	5585	31/10/2017	116370790	24/7/2016	14/811,793	28/7/2015	KSU	Physics	SPO
514	Refat Ahmed El-Sheikhy Mosleh Ali Al-Shamrani	Expansive Soil Resistant Foundation System	9,803,329	31/10/2017			15/178,476	9/6/2016	KSU	Engineering	USPTO
515	Abdullah Al-Majid Mohammad Islam Assem Barakat Muhammad Iqbal Choudhary Sammer Yousuf	$\alpha$ -Glucosidase Inhibitors	9,802,894	31/10/2017			14/868,994	29/9/2015	KSU	Biology	USPTO
516	Mostafa Abdelhamid Ahmed	Thigh Adhesion Quantitative Measurement System	9,801,582	31/10/2017			14/940,093	12/11/2015	KSU	Software	USPTO
517	Afnan Fouzan Alfouzan	Electric Toothbrush Holder for Laboratory Use	9,801,461	31/10/2017			15/378,007	13/12/2016	KSU	Dentist	USPTO
518	Mohamed S. Morsy Tarek H. Almusallam Yousef A. Al-Salloum Husain Abbas	An Integral Tile/Foam Building Block and Method for Making Same	5577	29/10/2017	115370057	5/11/2015	14/538,925	12/11/2014	KSU	Engineering	SPO
-	Mohd Aftab Alam Abdullah Al-Mohizea Ibrahim Aljuffali Fahad Al-Jenoobi	Method for preparing a solid dispersion, solid dispersion obtained thereby and use thereof	EP 2649989	18/10/2017	EP 2649989	16/10/2013	EP 12164044.5	13/4/2012	KSU	Pharmaceutical	EPO
519	Mohd Aftab Alam Abdullah Al-Mohizea Ibrahim Aljuffali Fahad Al-Jenoobi	Method for preparing a solid dispersion, solid dispersion obtained thereby and use thereof			EP 2649989	16/10/2013	EP 12164044.5	13/4/2012	KSU	Pharmaceutical	DPMA

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
520	Mohd Aftab Alam Abdullah Al-Mohizea Ibrahim Aljuffali Fahad Al-Jenoobi	Method for preparing a solid dispersion, solid dispersion obtained thereby and use thereof			EP 2649989	16/10/2013	EP 12164044.5	13/4/2012	KSU	Pharmaceutical	INPI
521	Mohd Aftab Alam Abdullah Al-Mohizea Ibrahim Aljuffali Fahad Al-Jenoobi	Method for preparing a solid dispersion, solid dispersion obtained thereby and use thereof			EP 2649989	16/10/2013	EP 12164044.5	13/4/2012	KSU	Pharmaceutical	UKIPO
522	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Ortashi	Synthesis of Adansonia Digitata Nanoparticles	9,789,146	17/10/2017			15/452,688	7/3/2017	KSU	Physics	USPTO
523	Hanan Nejer Sahil Alotaibi Sara Al Taweel	Centric Relation Bite Registration Tool	9,788,919	17/10/2017			15/169,706	31/5/2016	KSU	Dentist	USPTO
524	Periasamy Vaiyapuri Subbarayan Ali Abdullah Alshatwi Jegan Athinara Yanan	Method of Making Three-Dimensional, Leaf-Based Scaffold for Three-Dimensional Cell Culture	9,783,777	10/10/2017			15/297,096	18/10/2016	KSU	Agriculture	USPTO
525	Husain Abbas Yousef Al-Salloum Tarek Almusallam	Precast Reinforced Concrete Construction Elements with Prestressing Connectors	9,765,521	19/9/2017			15/297,093	18/10/2016	KSU	Engineering	USPTO
526	Mohd Aftab Alam	Dispensing Device	9,757,550	12/9/2017			15/426,003	6/2/2017	KSU	Pharmaceutical	USPTO
527	GUILLET Nicolas SIBIUDE Galdric	Electrochemical Reactor And An Active Layer Integrated Into Said Reactor	GC 0006139	11/9/2017	GC2010/17319	13/12/2010	PCT/IB2009/055738	14/12/2009	KSU	Energy and renewable energy	GCCPO
528	Mamdooh Saud Al-Saud Ali Mohamed Eltamaly Abdulrahman Al-Ahmari	Multi-Rotor Vertical Axis Wind Turbine	9,752,556	5/9/2017			15/345,423	7/11/2016	KSU	Engineering	USPTO
529	Mohamed Abdullah AlMaatouq	Advanced Biopsy Needle	9,743,915	29/8/2017	US 20160120517 A1	5/5/2016	14/527,898	30/10/2014	KSU	Medical	USPTO

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
530	Vadivel Masilamani Mohamad Alsalhi Karim Hamda Farhat Danny Rabah Saradh Prasad Sandhanasamy Devanesan	Method of Detecting Bladder Cancer by Optical Analysis of Bodily fluids	9,733,187	15/8/2017			14/641,238	6/3/2015	KSU	Physics	USPTO
531	Mazen Ba-abbad Hany Al-Ansary Essam Al-Ammar	Two Axis Solar Tracking System	9,732,987	15/8/2017	US 20150354858 A1	10/12/2015	14/298,283	6/6/2014	KSU	Energy and renewable energy	USPTO
532	Hany Al-Ansary Abdelrahman El-Leathy Zeyad Al-Suhaibani Saeed Al-Zahrani Sheldon Jeter Said Abdel-Khalik Dennis Sadowski	Solid Particle Receiver with Porous Structure for Flow Regulation and Enhancement of Heat Transfer	9,732,986	15/8/2017	US 2013068217 A1	21/3/2013	13/623,895	21/9/2012	KSU	Energy and renewable energy	USPTO
533	Hany Al-Ansary Kevin Schoonover Said Abdel-Khalik	Nozzle Apparatus and Method	9,731,305	15/8/2017	15/148,467	6/5/2016			KSU	Rationalization and Desalination	USPTO
534	Vadivel Masilamani Mohamad Saleh Alsalhi Sandhanasamy Devanesan	Spectral Method for Quantifying Hemoglobin Fragility Caused by Smoking	9,726,679	8/8/2017			14/811,793	28/7/2015	KSU	Physics	USPTO
535	Refat Ahmed Elsheikhy Mosleh Ali Alshamrani	Filling Quad Screw Machine with Injection Under Pressure	5475	31/7/2017			116370300	11/2/2016	KSU	Engineering	SPO
536	Manal Ahmed Awad Mohamed Mahmoud Hafez Ahmed Othman A. Al-shabanah Zeinab Korany Hassan	Synthesis of Rutin Nanotubes	9,713,624	25/7/2017			15/364,225	29/11/2016	KSU	Physics	USPTO
537	Yousef A. Al-Salloum Husain Abbas Saleh H. Alsayed Nadeem A. Siddiqui	Fiber Reinforced Composite System for Strengthening of Wall-Like RC Columns and Methods for Preparing Such System	5457	20/7/2017	115370058	12/11/2015	14/539,038	12/11/2014	KSU	Engineering	SPO
538	Ali Abdullah Alshatwi Jegan Athinarayanan Vaiyapuri Subbarayan Periasamy	A Method of Producing Biogenic Silica Nanoparticles	5456	20/7/2017			116370274	4/2/2016	KSU	Agriculture	SPO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
539	Safa Mohammed Al-Rashed Hanan Nejer Sahil Alotaibi	Device for Verifying Parallelism of Abutment Teeth for Dental Appliance Insertion	9,707,064	18/7/2017			15/393,078	28/12/2016	KSU	Dentist	USPTO
540	Hussam Saeed Alghamdi	Method for Suturing Wounds	9,706,983	18/7/2017			15/397,657	3/1/2017	KSU	Medical	USPTO
541	Khalid Mustafa Ortashi Manal Ahmed Awad Awatif Ahmed Hendi Abeer Ramadan Abdelaziz Ahmed Sameer Hendi Abdulhakeem Alarmed	Synthesis of Silver Nanoparticles Using Fungi	9,701,552	11/7/2017			15/338,259	28/10/2016	KSU	Engineering	USPTO
542	Mai Abdelrahman Elobeid Lulwah Saleh Al-Hassan Manal Ahmed Awad Nouf Abdallah Al-Ghamdi Promy Virk Awatif Ahmed Hend	Synthesis of Hesperetin Nanoparticles	9,700,512	11/7/2017			15/151,454	10/5/2016	KSU	Physics	USPTO
543	Sami Al-Ghannam Yasin Khan	GSM/GPRS Based Method, System, and Computer Programs to Determine and Locate High Impedance Faults on Medium Voltage Distribution Networks in High Resistivity	CA 2883642	11/7/2017	CA 2883642 A1	20/3/2014			KSU & ARAMCO	Engineering	CIPO
544	Saradh Prasad Rajendra Mohamad Saleh Alsahli Vadivel Masilamani	Temperature Tuned Conjugated Polymer Laser	9,698,561	4/7/2017			15/397,667	3/1/2017	KSU	Physics	USPTO
545	Shereef Aly Sadek	Vertical Takeoff and Landing Unmanned Aerial Vehicle	9,694,906	4/7/2017			15/132,107	18/4/2016	KSU	Engineering	USPTO
546	Shafaat Salahudeen Othman Y. Alothman Rabeh H. Elleithy	Internal Batch Mixer with Three-Wing Non-Intermeshing Rotors	9,694,330	4/7/2017			15/287,627	6/10/2016	KSU	Engineering	USPTO

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
547	Manal Ahmed Awad Awatif Ahmed Hendi Khalid Mustafa Ortashi Amel Laref	Green Synthesis of Reduced Graphene Oxide Using Nigella Sativa Seed Extract	9,688,539	27/6/2017			15/151,466	10/5/2016	KSU	Physics	USPTO
548	Mazen Ba-abbad Hany Al-Ansary Essam Al-Ammar	Solar Heating Apparatus And Methods	5419	14/6/2017	112330452	14/4/2012	13088301	15/4/2011	KSU	Energy and renewable energy	SPO
549	Husain Abbas Yousef A. Al-Salloom Tarek H. Almusallam	Concrete-Filled Steel Tubular Column for High Load Carrying Capacity and Fire Resistance	9,677,273	13/6/2017	14/554,449	26/11/2014			KSU	Engineering	USPTO
550	Sami Al-Ghannam Yasin Khan	GSM/GPRS Based Method, System, and Computer Programs to Determine and Locate High Impedance Faults on Medium Voltage Distribution Networks in High Resistivity	CN 104755946	6/6/2017	CN 104755946	15/9/2012	61/701,643	15/9/2012	KSU & ARAMCO	Engineering	SIPO
551	Refat Ahmed Elsheikhy Mosleh Ali Alshamrani	Method of Storing Exfoliated Nanoclay Particles	9,643,889	9/5/2017			15/094,998	8/4/2016	KSU	Engineering	USPTO
552	Saad Alshehri Tansir Ahamad Mu Naushad Jahangeer Ahmed Zeid Al-Othman	Method for Preparing an Adsorbent for Removing Organic Dyes from Water	9,643,861	9/5/2017			15/364,233	29/11/2016	KSU	Chemistry	USPTO
553	Manal Ahmed Awad Ebtesam Al Olayan Sarah Saleh Alsaif Muzzammil Iqbal Siddiqui Manal Fawzy Elkhadragy	Synthesis of Metal Nanoparticles Using an Extract of Terfeziaceae	9,637,807	2/5/2017			15/147,873	5/5/2016	KSU	Physics	USPTO
554	Ayman El-Faham Moustafa Fouda Zeid ALOthman	Functionalized Silica for the Synthesis of Metal Nanoparticles	9,636,747	2/5/2017			15/145,781	3/5/2016	KSU	Chemistry	USPTO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
555	Amani Shafeek Awaad Mohamed El-Desouky Zain Reham El-Meligy Nour Khaled Al-Anazi Monerah Alothman	Method for Treating Candidiasis	9,629,885	25/4/2017			15/064,493	8/3/2016	KSU	Pharmaceutical	USPTO
-	Amani S. Awaad Reham El-Meligy Mohamed Sobhy Marzouk Shroog Mohamed Alotaiby	Extracts and Isolated Compounds from Cakile Arabica for Treatment of Ulcer	EP 2848251	19/4/2017	EP 2848251	18/3/2015	EP 13184046.4	12/9/2013	KSU	Pharmaceutical	EPO
556	Amani S. Awaad Reham El-Meligy Mohamed Sobhy Marzouk Shroog Mohamed Alotaiby	Extracts and Isolated Compounds from Cakile Arabica for Treatment of Ulcer			EP 2848251	18/3/2015	EP 13184046.4	12/9/2013	KSU	Pharmaceutical	DPMA
557	Amani S. Awaad Reham El-Meligy Mohamed Sobhy Marzouk Shroog Mohamed Alotaiby	Extracts and Isolated Compounds from Cakile Arabica for Treatment of Ulcer			EP 2848251	18/3/2015	EP 13184046.4	12/9/2013	KSU	Pharmaceutical	INPI
558	Amani S. Awaad Reham El-Meligy Mohamed Sobhy Marzouk Shroog Mohamed Alotaiby	Extracts and Isolated Compounds from Cakile Arabica for Treatment of Ulcer			EP 2848251	18/3/2015	EP 13184046.4	12/9/2013	KSU	Pharmaceutical	UKIPO
559	Refat Ahmed El-Sheikhy Mosleh Ali Al-Shamrani	Device for Measuring Expansive Soil Shrinkage	9,625,438	18/4/2017			15/345,409	7/11/2016	KSU	Engineering	USPTO
560	Raja Rizwan HUSSAIN Abdulrahman Alhozaimy Abdulaziz Al-Negheimish DDN Singh	Method of Ascertaining Fully Grown Passive Film Formation on Steel Rebar Embedded in Concrete	9,625,403	18/4/2017			14/872,081	30/9/2015	KSU	Engineering	USPTO
561	Kareem Youssif Mahmoud Zeid Alothman Ayman Sadek El-Faham	Functionalizable Monolithic Platforms	9,624,335	18/4/2017			15/151,469	10/5/2016	KSU	Chemistry	USPTO
562	Saad Alshehri Tansir Ahamad Mu Naushad Jahangeer Ahmed Zeid Al-Othman	Method for Preparing Adsorbent for Removing Organic Pollutants from Water	9,624,114	18/4/2017			15/364,221	29/11/2016	KSU	Chemistry	USPTO

▪ List of KSU's Granted Utility & Design Patents [2017-2022]

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
563	Rajeh Al-Zaid Abdulaziz Al-Negheimish Abdulrahman Alhozaimy Mohammad Iqbal Khan	EAFD Stabilizer for Returned Concrete and Mixer Drum Wash Water	9,623,451	18/4/2017	US 20120049399 A1	1/3/2012	13/219,586	26/8/2011	KSU	Engineering	USPTO
564	Manal Ahmed Awad Ebtesam Mohammed Al Olayan Hany Mohamed Yehia Khalid Mustafa Ortashi Hatem Salama Mohamed Ali Manal Fawzy Elkhadraby	Method of Preparing Date Palm Seed Nanoparticles	9,623,067	18/4/2017			15/333,143	24/10/2016	KSU	Physics	USPTO
565	Omar Amin Alhaj Abdulrahman Saleh Al-Khalifa Ali Ahmed Metwalli Elsayed Ismail Hatem Salamah Ali	Method of Making a Fermented Dairy Product from Camel Milk	9,623,057	18/4/2017			15/045,168	16/2/2016	KSU	Agriculture	USPTO
566	Promy Virk Nouf Abdallah Al-Gi-lamdi Manal Ahmed Awad Mai Abdelrahman Elobeid Awatif Ahmed Hendi Lulwah Saleh Al-Hassan	Synthesis of Naringenin Nanoparticles	9,622,984	18/4/2017			15/141,781	28/4/2016	KSU	Physics	USPTO
567	Ziyad Binkhathlan Abdullah Alomrani Aws Alshamsan Ibrahim Aljuffali Raisuddin Ali	Poly E-Caprolactone-Ethoxylated Fatty Acid Polymers	9,622,973	18/4/2017			15/064,507	8/3/2016	KSU	Pharmaceutical	USPTO
568	Khalid Abdullah Alruhaimi	Mandibular Distractor Device	9,622,801	18/4/2017			15/141,773	28/4/2016	KSU	Dentist	USPTO
569	Khalid Abdullah Alruhaimi	Curved Alveolar Bone Distractor	9,622,782	18/4/2017			15/295,981	17/10/2016	KSU	Dentist	USPTO
570	Refat Ahmed Elsheikhy Mosleh Ali Alshamrani	Nanotechnology Pipe Tank for Retaining Water Temperature Degree	5315	12/4/2017			117380282	11/2/2016	KSU	Engineering	SPO

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
571	Refat Ahmed Elsheikhy Mosleh Ali Alshamrani	Nanotechnology Double Tank for Protecting Temperature Degree of Liquids, Solids and Gases	5314	12/4/2017			116370301	11/2/2016	KSU	Engineering	SPO
572	Nawaf Yousef Ibrahim Labban Hanan Nejer Sahil Alotaibi	Adjustable Bite Recording Tool for Dental Implants	9,610,142	4/4/2017			15/001,212	19/1/2016	KSU	Dentist	USPTO
573	Zakariya Kaneesamkandi Moochikootathil	Cooling Fixture for Solar Photovoltaic Panels	9,608,562	28/3/2017			14/681,042	7/4/2015	KSU	Engineering	USPTO
574	Amani Shafeek Awaad Ahmed Alafeefy Reham Mostafa El-Meligy	Amino Substituted Acetamide Derivative	9,598,361	21/3/2017			15/097,261	12/4/2016	KSU	Chemistry	USPTO
575	Atef Mohammed Ghaleb Mohamed Ali Eissa Saleh Adham Mohamed Ragab	System for a Forming T-Shaped Tubular Fitting	9,586,248	7/3/2017			15/094,999	8/4/2016	KSU	Engineering	USPTO
576	Yousef A. Al-Salloum Husain Abbas Saleh H. Alsayed Nadeem A. Siddiqui	Fiber Reinforced Composite System for Strengthening of Wall-Like RC Columns and Methods for Preparing Such System	9,580,908	28/2/2017	14/539,038	12/11/2014			KSU	Engineering	USPTO
577	Hany Al-Ansary Kevin Schoonover Said Abdel-Khalik	Nozzle Apparatus and Method	9,579,669	28/2/2017	14/227,817	15/5/2014			KSU	Rationalization and Desalination	USPTO
578	Achraf Al-Faraj Khalid Kezzar Hamoud Kassim	3D Image Generation with Position-Sensing Gamma Probe	9,568,612	14/2/2017			15/054,042	25/2/2016	KSU	Medical	USPTO
579	Mohamed Mohamed Ghanem Abdullah Mohamed Almayouf Maged Najy Yahya shaddad	Electrochemical Method of Producing Hydrogen Peroxide Using a Titanium Oxide Nanotube Catalyst	9,567,677	14/2/2017	US 20160298245 A1	13/10/2016	14/681,038	7/4/2015	KSU	Chemistry	USPTO
580	Waled Mohammed Alshhrani Hanan Nejer Sahil Alotaibi	Denture Construction Teaching Tool	9,564,066	7/2/2017			15/151,472	10/5/2016	KSU	Dentist	USPTO

▪ **List of KSU's Granted Utility & Design Patents [2017-2022]**

No	Inventor Name	Title of the Invention	Issue No	Date of Issue	Publication No	Publication Date	Application No	Date of Filing	Assignee	Field	Patent Office
581	Muzzammil Iqbal Siddiqui Promy Virk Mohammad Iqbal Siddiqui	Fish Food Composition	9,560,866	7/2/2017			15/096,211	11/4/2016	KSU	Chemistry	USPTO
582	Sami Al-Ghannam Yasin Khan	GSM/GPRS Based Method, System, and Computer Programs to Determine and Locate High Impedance Faults on Medium Voltage Distribution Networks in High Resistivity	JP 6069508	1/2/2017	JP.2015-534435	26/11/2015	61/701,643	15/9/2012	KSU & ARAMCO	Engineering	JPO
583	Mamduh El-Messeiry Ali Mohsen Ali Hazmi Abdulaziz Alodhayani Theeb Ayedh Alkahtani	Sequential Compression Device for Treatment and Prophylaxis of Deep Vein Thromboses	9,549,867	24/1/2017			15/078,923	23/3/2016	KSU	Medical	USPTO
584	Amani Shafeek Awaad Ghada Mohamed Zain Reham El-Meligy Haya Fahd Alkanhal Vidya Devenathadesikan Seshadri	Calotropis Procera Extracts as Anti-Ulcerative Colitis Agents	9,533,019	3/1/2017			15/059,261	2/3/2016	KSU	Pharmaceutical	USPTO
585	Ali Abdullah Alshatwi Vaiyapuri Subbarayan Periasamy Jegan Athinarayanan	Method of Making a Three-Dimensional Scaffold for Three-Dimensional Cell culture	5189	2/1/2017	116370282	7/2/2016			KSU	Agriculture	SPO

▪ **The Patent Certificate Documents are available at:**

- <https://patft.uspto.gov/netah/html/PTO/search-bool.html>
- [https://worldwide.espacenet.com/advancedSearch?locale=en\\_EP](https://worldwide.espacenet.com/advancedSearch?locale=en_EP)
- <https://www.google.com/?tbn=pts>
- <https://epatentsso.saip.gov.sa/WebPages/Application%20Search/frnSearchApplication.aspx?i=>
- [https://ipsearch.saip.gov.sa/wopublish-search/public/patents?0&query=\\*>\\*](https://ipsearch.saip.gov.sa/wopublish-search/public/patents?0&query=*>*)

## ▪ List of KSU's Granted Utility & Design Patents [2017-2022]

- *SAIP, Saudi Authority for Intellectual Property*
- *USPTO, United State Patent & Trademark Office*
- *JPO, Japanese Patent Office*
- *SIPO, State Intellectual Property Office of the P.R.C*
- *EPO, European Patent Office*
- *DPMA, Deutsches patent – und Markenamt (German Patent Office)*
- *INPI, National Institute of Industrial Property (France Patent Office)*
- *UKIPO, Intellectual Property Office (United Kingdom Patent Office)*
- *CIPO, Canadian Intellectual Property Office*