

KISR Patents

2023

No	Title	Inventor(s)	Center	Patent Number	Year
1.	Desalination and Cooling System	Dr. Hassan Abdulrahim, and Dr. Mansour Ahmed	WRC	KW/P/022/001440	2023
2.	DIVISIONAL Patent - High-water Recovery Hybrid Management System for Desalination and Brine concentration	Dr. Mansour Ahmed, Dr. Rajesha Kumar, Dr. Garudachari Bhadarchari, Dr. Yousef Al-Wazzan, & Mr. Jibu Thomas	WRC	US 11628403 B2	2023
3.	A Novel Stress Corrosion Cracking Testing Device Utilizing All Fracture Mechanics Test Methods	Dr. Rihan O. Rihan	PRC	US 11573168 B1	2023
4.	Apparatus for Measuring Performance of Suspension for Cooling Computer Processing Unit	Dr. Naser Alsayegh, Eng. Ali Alsayegh	EBRC	US 11567017 B2	2023

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2022

No	Title	Inventor(s)	Center	Patent Number	Year
1.	Snthesizing Graphene Derivatives from Asphaltene	Dr. Faisal AlHumaidan,	PRC	US 11505466 B1	2022
2.	Desalination and Cooling System	Dr. Mohan Rana. Dr.Vinoba Mari	WRC	US11407659 B1	2022
3.	Method for Making Metal Organic Frameworks and Thin Film Nanocomposite Membrane using the Same	Dr. Hassan Abdulrahim, and Dr. Mansour Ahmed	WRC	US11254691 B1	2022

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2021

No	Title	Inventor(s)	Center	Patent Number	Year
1.	Pressure-reduced saline water treatment system	Dr. Mansour Ahmad, Dr. Rajesh Kumar Alambi, Dr. Bhadrachari Garudachari, Dr. Yousef Al-Wazzan & Mr. Jibu P. Thomas	WRC	KR 10-2266110	2021
2.	System for Processing Waste	Dr. Sultan Al-Salem, Prof. Animesh Dutta,	ELSRC	US11033869 B1	2021
3.	Integrated Desalination and Air Conditioning System	Mr. Majed Hameed Al-Wadi	WRC	US11035581 B1	2021
4.	Decompression saltwater treatment system	Dr. Hassan Abdulrahim & Dr. Mansour Ahmad	WRC	JP6882541 B2	2021
5.	Bioorganic Soil Conditioner	Dr. Mansour Ahmad, Dr. Rajesh Kumar Alambi, Dr. Bhadrachari Garudachari, Dr. Yousef Al-Wazzan & Mr. Jibu P. Thomas	ELSRC	US10995271 B1	2021
6.	High Water Recovery Hybrid Membrane System for Desalination and Brine Concentration	Dr.Hana'a Burezq & Dr. Shawqui Lahalhi	WRC	US10940439 B1	2021

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2020

No	Title	Inventor(s)	Center	Patent Number	Year
1.	Device and Method for Measuring Effect of Soiling on Photovoltaic Device	Abdullah Al-Kanderi, Dr. Firas Alzubi, Abdulwahab Al-Asfour,	EBRC	US10594258 B1	2020
2.	Device and method for measuring effect of soiling on photovoltaic device	Abdulwahab Al-Asfour, Abdullah Al-Kanderi, Dr. Firas Al-Zubi	EBRC	US10615745 B1	2020
3.	Method for Damping Ocean Waves in Coastal Area	Dr. S. Neelamani & Eng. Noor Alnjari	ELSRC	US10550534 B1	2020
4.	Combination Multi-Effect Distillation and Multi-Stage Flash Evaporation System	Dr. Essam El-Syed	WRC	KR 10-2019-7023692	2020

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2019

No	Title	Inventor(s)	Center	Patent Number	Year
1.	Nanocomposite System for Solid Hydrogen Storage	Dr. M Sherif El-Eskandarany, Eng. Fahad T. Al-Alajmi, and Eng. Mohammad Banyan	EBRC	US10364148 B1	2019
2.	Method for Synthesizing a Thin Film Stainless Steel Coating	Dr. Nasser Al-Sayegh, Dr. Maryam Adnan Saeed, Dr. Feras Al-Zubi	EBRC	US 10392690 B1	2019
3.	Device and Method for Measuring Effect of Soiling on Photovoltaic Device	Dr. Feras Alzubi, Abdullah R. Alkandary, Abdulwahab Al-Asfour	EBRC	US10447201 B1	2019
4.	Method for Doping Magnesium with Nickel by Cold Spray Technique	Dr. M Sherif El-Eskandarany, Eng. Mohamed Banyan, Eng. Fahad T. Aljmi	EBRC	US10443132 B1	2019
5.	Device and Method for Measuring Effect of Soiling on Photovoltaic Device	Dr. Firas Alzubi, Abdulwahab Al-Asfour, Abdullah Al-Kanderi	EBRC	US10476431 B1	2019
6.	Pyrolysis Reactor System for the Conversion and Analysis of Organic Solid Waste	Dr. Sultan Al-Salem	ELSRC	US10364395 B2	2019
7.	Fatigue Cracking Machine for circumferential Noticed Tensile Specimens	Dr. Rihan Omar Rihan	PRC	US10190967 B1	2019

No	Title	Inventor(s)	Center	Patent Number	Year
8.	System and Method for Pretreating Turbid Seawater	Dr. Yousef Al-Wazzan, Mr. Abbas. Al-Mesri, Dr. Mansour Ahmed, Mohammad Al-Tabtabaei	WRC	US10183882 B1	2019
9.	Desalination System with Mineral Recovery	Dr. Bhadrachari Garudachari, Dr. Mansour Ahmed, Dr. Rajesh Kumar Alambi, Mr. Jibu P Thomas	WRC	US10280095 B1	2019
10.	Pressure Reduced Reverse Osmosis Process for Saline Water Treatment	Dr. Mansour Ahmad, Dr. Rajesh Kumar Alambi, Dr. Bhadrachari Garudachari, Dr. Yousef Al-Wazzan & Mr. Jibu P. Thomas	WRC	US10308524 B1	2019

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2018

No	Title	Inventor(s)	Center	Patent Number	Year
1.	Method of making a nanocomposite polyelectrolyte membrane	Dr. Shawqui M. Lahalih	EBRC	US10153507 B1	2018
2.	Planchet holder for electrodeposition of materials	Dr. Saiff Udin Ms. Montaha Behabani	ELSRC	US9856573 B2	2018
3.	Hydrodemetallization Catalysis	Dr. Mohan S. Rana and Dr. Faisal Alhumaidan	PRC	US9861972 B1	2018
4.	Catalysis for Mild Hydrocracking of Residue Oil	Dr. Mohan S. Rana, Dr. Meena Marafi, Dr. Faisal Alhumaidan & Eng. Khalidah Al-Dalama	PRC	US9919293 B2	2018
5.	Nanosized Sulfide Catalysts for Conversion of Heavy Oil Fractions	Dr. Andres Perez	PRC	US9993808 B1	2018
6.	Thin Film Nanocomposite Nanofiltration Membrane	Dr. Rajesha Kumar, Dr. Mansour Ahmed, Dr. Garudacahari Bhadrachari, Mr. Jibu P. Thomas	WRC	US10124297 B1	2018
7.	Integrated Reverse Osmosis/Pressure Retarded Osmosis System	Dr. Essam El-Syed	WRC	US9895663 B2	2018

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2017

No	Title	Inventor(s)	Center	Patent Number	Year
1.	Method of synthesizing mgh ₂ /ni nanocomposites	El-eskandarany, Mohamed Sherif Mohamed Mostafa Shaaban, Ehab Abdelhaleem Abdelmotalb Ali, Naser Mustafa Abdul Nabi Aldakheel, Fahad Ahmed Jasem Mohamed Alkandary, Abdullah Ramadhan Abdullah	EBRC	US9828245 B1	2017
2.	Composition for hydrogen storage	Mohamed Sherif Mohamed Mostafa El-eskandarany,	EBRC	US9533884 B1	2017
3.	Method for synthesizing nanodiamonds	Mohamed Sherif Mohamed Mostafa El-eskandarany,	EBRC	US9540245 B1	2017
4.	Metallic glassy alloy powders for antibacterial coating	Mohamed Sherif Mohamed Mostafa El-eskandarany, Ahmed Salem Abdulhadi Aldamier Al-azmi,	EBRC	US9609874 B1	2017
5.	Seawater surface sampling device	Saif Uddin, Montaha Behbahani,	ELSRC	US9541474 B1	2017

No	Title	Inventor(s)	Center	Patent Number	Year
6.	Hydrodemetallization catalysts	Rana, Mohan Singh Alhumaidan, Faisal S.	PRC	US9861972 B1	2017
7.	Method for preparing nanosized sulfide catalysts	Quesada Perez, Andres Miguel	PRC	US9993808 B1	2017
8.	System for measuring glass transition temperature of a polymer	Salah Al-Enezi	PRC	US9702837 B2	2017
9.	System for testing stress corrosion cracking	Rihan Omar Yousef Rihan,	PRC	US9541485 B1	2017
10.	Bore hole tracer injection apparatus	Khaled Al-Fahad	WRC	US 9784061 B2	2017
11.	Combination multi-effect distillation and multi-stage flash evaporation system	Essam El-din Farag El-sayed,	WRC	US9539522 B1	2017

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2016

No	Title	Inventor(s)	Center	Patent Number	Year
1.	Process using multiple waste streams to manufacture synthetic lightweight aggregate	Suad Al-bahar, Saud Al-otaibi, Sharifa Al-fadala, Ali Abduljaleel, Mahmoud Fawzy Taha, Fatma Al-fahad, Amer Al-arbeid, Tarun K. Mukherjee,	EBRC	US9340456 B2	2016
2.	Fluid expansion engine	Mane Alsudairawi,	ELSRC	US9267462 B1	2016
3.	Floating breakwater	Subramaniam Neelamani, Khaled Al-banaa,	ELSRC	US9340940 B2	2016
4.	Method of dissipating water wave energy	Subramaniam Neelamani, Altaf Taqi, Khaled Al-salem,	ELSRC	US9447554 B1	2016
5.	Gelling agent for water shut-off in oil and gas wells (Divisional)	Lahalih, Shawqui M	PRC	US9518208 B2	2016

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2000-2015

No	Title	Inventor(s)	Center	Patent Number	Year
1.	Gelling agent for water shut-off in oil and gas wells	Lahalih, Shawqui M	PRC	US9074125 B1	2015
2.	Nanocomposite mixed-matrix membrane	Shawqui M Lahalih,	WRC	US9073014 B1	2015
3.	Bivalent vaccine for marine fish and method for making the same	Azad Ismail Saheb, Ahmed Al-marzouk,	ELSRC	US8758774 B2	2014
4.	process for recovering boehmite and γ - Al_2O_3 from spent hydroprocessing catalysts	Meena Marafi,	PRC	US8282897 B2	2012
5.	Method or process for recovering mo, v, ni, co and al from spent catalysts using ultrasonic assisted leaching with edta	Meena Marafi,	PRC	US8287618 B2	2012
6.	Pressure exchange apparatus	Essam El-sayed, Mahmoud Abdel-jawad, Ali Al-odwani,	WRC	US7661932 B2	2010
7.	Cooling tower and method for optimizing use of water and electricity	Gopal P Maheshwari, Eitidal Al-bassam,	EBRC	US6446941 B1	2002

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1990 - 1999

No	Title	Inventor(s)	Center	Patent Number	Year
1.	Process and microorganisms for producing single cell protein	Ibrahim Y Hamdan, Amin S Elnawawy, Ibrahim M Banat, Nader M Al-awadhi,	ELSRC	US5314820 A	1994
2.	Process for making high-strength alumina substrates and catalysts and products made therefrom	Ma Mum A Halabi, Anthony Stanislaus, Huda Al-zaid,	PRC	US5217940 A	1993
3.	Anionic polymer hydrogels and a process for making the same	Shawqui Lahalih, George Hovakeemian,	PRC	US4898908 A	1990

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1979 - 1989

No	Title	Inventor(s)	Center	Patent Number	Year
1.	Utilization of melamine waste effluent	Shawqui Lahalih, Ma Mun Absi-halabi,	PRC	US4663387 A	1989
2.	Highly stable sulfonated melamine-formaldehyde condensate solution	Shawqui Lahalih, Ma Mun Absi-halabi,	PRC	US4820766 A	1989
3.	Stable mud drilling fluid additive, composition and process for making the same	Shawqui Lahalih, Ma Mun Absi-halabi, Issam Dairanieh,	PRC	US4839095 A	1989
4.	Multilayer degradable and controlled release multinutrient mulch film, and process for preparing same	Shawqui M Lahalin, Saed-el-deen Akashah, Farouk and Al-hajjar	PRC	US4845888 A	1989
5.	Method for improving the mechanical properties of soil, a polymeric solution therefore, and a process for preparing polymeric solutions	Shawqui Lahalih, Ma Mun Absi-halabi, Nouria Al-awadhi, and Khamis Shuhaibar,	PRC	US4793741 A	1988
6.	Process for the synthesis of highly stable sulfonated melamine-formaldehyde condensates as superplasticizing admixtures in concrete	Shawqui Lahalih MaMun Absi-Halabi	PRC	US4677159 A	1987
7.	Utilization of melamine waste effluent	Shawqui Lahalih MaMun Absi-Halabi	PRC	US4797433 A	1987

No	Title	Inventor(s)	Center	Patent Number	Year
8.	Degradable agricultural plastic articles, e.g., mulching film, comprising slowly released multinutrients in matrix of thermoplastic, and process for preparing same	Saed-el-deen Akashah, Shawqui M Lahalin, Farouk and Al-hajjar	PRC	US4686790 A	US 1987 Spain 1988 Japan 1988
9.	Process for purification of liquid paraffins	Fathi A. Owaysi Rasheed S. Al-Ameeri	PRC	EP0164905B1 CA1256385 A	1986- 1989
10.	A replacement film mulch coverage and method of manufacture	Akashah, Saed-el-deen Lahalih, Shawqui M Al-hajjar, Farouk	PRC	ES2000221 A6	1986
11.	Purification of liquid paraffins	Owaysi, Fathi Abdelwahhab Al-ameeri, Rasheed Salim	PRC	DE3567477 D1 US4567315 A	1985 1984
12.	Method and system for 5-bit encoding of complete arabic - farsi languages	Khaled Mahmud Diab	STS	US 4298773 A JO1108 B IN154866 B	1981 1982 1985-
13.	Production of the 60-70 bitumen from vacuum residue without the use of air or any external agent except the proper stirring	Yusuf Ahmad Al-Farkh and Adnan Mohammed Abushihada	PRC	GB1586725 A	1981
14.	An apparatus for teleprinting system for arabic-parsi languages	Diab, Khaled M	STS	IN154866 B	1980
15.	Procede et appareil de traitement d'informations ayant une representation en caracteres arabes	Khaled, Mahmud Diab	STS	MA18599 A1 ES474730 A1	1979 1979