

No	Patent Number	Patent Description	Filed Date
1	11724977	Processes for Solvent Extraction of Cannabinoids, Terpenes and Flavonoids from Biomass	Filed March 16, 2021
2	20210238117	Processes for Solvent Extraction of Cannabinoids, Terpenes and Flavonoids from Biomass	Filed March 16, 2021
3	11078176	Pubescent Plant Shallow Moving Bed Solvent Extractor and Method of Use	Filed September 30, 2019
4	20210094929	Pubescent Plant Shallow Moving Bed Solvent Extractor and Method of Use	Filed September 30, 2019
5	10961174	Processes for Solvent Extraction of Cannabinoids, Terpenes and Flavonoids from Biomass	Filed August 12, 2019
6	20200190002	Processes for Solvent Extraction of Cannabinoids, Terpenes and Flavonoids from Biomass	Filed August 12, 2019
7	10413845	Processes for Solvent Extraction of Cannabinoids, Terpenes and Flavonoids from Biomass	Filed January 28, 2019
8	10414709	Processes for Solvent Extraction of Cannabinoids, Terpenes and Flavonoids from Biomass	Filed June 20, 2019
9	11192870	Continuous Isolation of Cannabidiol and Conversion of Cannabidiol to Delta 8-Tetrahydrocannabinol and Delta 9-Tetrahydrocannabinol	Filed April 18, 2019
10	11851414	Continuous Isolation of Cannabidiol and Conversion of Cannabidiol to Delta 8-Tetrahydrocannabinol and Delta 9-Tetrahydrocannabinol	Filed November 1, 2019
11	20200255389	Continuous Isolation of Cannabidiol and Cannabinoids and Conversion of Cannabidiol to Delta 8-Tetrahydrocannabinol and Delta 9-Tetrahydrocannabinol	Filed April 3, 2020
12	20200071285	Continuous Isolation of Cannabidiol and Conversion of Cannabidiol to Delta 8-Tetrahydrocannabinol and Delta 9-Tetrahydrocannabinol	Filed November 1, 2019
13	11851415	Continuous Isolation of Cannabidiol and Cannabinoids and Conversion of Cannabidiol to Delta 8-Tetrahydrocannabinol and Delta 9-Tetrahydrocannabinol	Filed April 3, 2020
14	20220002259	Continuous Isolation of Cannabidiol and Conversion of Cannabidiol to Delta 8-Tetrahydrocannabinol and Delta 9-Tetrahydrocannabinol	Filed January 8, 2021
15	20190276420	Continuous Isolation of Cannabidiol and Conversion of Cannabidiol to Delta 8-Tetrahydrocannabinol and Delta 9-Tetrahydrocannabinol	Filed April 18, 2019
16	20260078077	Apparatus and Systems for Improved Alkyl Ester Production from Feedstocks Containing Organic Acids Using Low Pressure Alkylation	Filed July 1, 2025
17	12378182	Apparatus and Systems for Improved Alkyl Ester Production from Feedstocks Containing Organic Acids Using Low Pressure Alkylation	Filed November 22, 2023
18	20250243138	Improved Methods of Producing Lower Alcohols from Glycerol	Filed April 6, 2023
19	20240417350	Processes for the Integration of Hydrolysis of Renewable Glycerides with the Generation of Paraffins and Propylene Glycol	Filed October 14, 2022
20	20240158334	Apparatus and Systems for Improved Alkyl Ester Production from Feedstocks Containing Organic Acids Using Low Pressure Alkylation	Filed November 22, 2023
21	11851403	Processes and Systems for Improved Alkyl Ester Production from Feedstocks Containing Organic Acids Using Low Pressure Alkylation	Filed May 10, 2023
22	11814349	Processes for Organic Acid Alkyl Ester Production Using Low Pressure Alkylation	Filed August 3, 2022
23	10954182	Reactive Distillation Process/Equipment for Fatty Acid Ester Hydrolysis to Produce Carboxylic Acid and Alcohol	Filed September 20, 2018
24	20200291327	Methods for Making Free Fatty Acids from Soaps Using Thermal Hydrolysis Followed by Acidification	Filed March 11, 2020
25	20200290944	Reactive Distillation Process/Equipment for Fatty Acid Ester Hydrolysis to Produce Carboxylic Acid and Alcohol	Filed September 20, 2018
26	20190249112	Methods for Making Free Fatty Acids from Soaps Using Thermal Hydrolysis Followed by Acidification	Filed September 6, 2017
27	20180346831	Systems and Methods for the Non-Catalytic Production of Biodiesel from Oils	Filed December 18, 2015
28	10030211	Methods for the Separation or Purification of Vitamin E, Tocopherols and Tocotrienols from Lipid Mixtures	Filed August 29, 2014
29	9969668	Methods and Industrial Processes for the Production of Free Fatty Acids and Derivatives Thereof from Soap Stocks	Filed August 29, 2014
30	9745541	Methods for Making Free Fatty Acids from Soaps Using Thermal Hydrolysis Followed by Acidification	Filed October 12, 2016
31	9546342	Complete Saponification and Acidulation of Natural Oil Processing Byproducts	Filed October 13, 2016
32	20160207879	Methods and Industrial Processes for the Generation of Free Fatty Acids and Derivatives Thereof from Oil Gums	Filed August 29, 2014
33	20160200701	Methods for the Separation or Purification of Vitamin E, Tocopherols and Tocotrienols from Lipid Mixtures	Filed August 29, 2014
34	20160201010	Methods and Industrial Processes for the Production of Free Fatty Acids and Derivatives Thereof from Soap Stocks	Filed August 29, 2014
35	8592613	Production of Biodiesel, Cellulosic Sugars, and Peptides from Simultaneous Esterification and Alcoholysis/Hydrolysis of Materials with Oil-Containing Substituents Including Phosphoric Acid	Filed February 1, 2011
36	20130209729	Generation of Mixed Diisocyanates by Phosgenation of Soy Based Methyl Amino Esters	Filed August 16, 2011
37	8017816	Method of Producing Lower Alcohols from Glycerol	Filed August 28, 2006
38	20110165662	Method for Harvesting Microalgae Suspended in an Aqueous Solution Using a Hydrophobic Chemical	Filed July 13, 2010
39	7943792	Production of Biodiesel, Cellulosic Sugars, and Peptides from Simultaneous Esterification and Alcoholysis/Hydrolysis of Materials with Oil-Containing Substituents Including Phosphoric Acid	Filed October 1, 2008
40	7943805	Method of Producing Lower Alcohols from Glycerol	Filed October 18, 2010
41	20110040132	Method of Producing Lower Alcohols from Glycerol	Filed October 18, 2010
42	7816567	Method of Producing Lower Alcohols from Glycerol	Filed December 22, 2009
43	2010099924	Method of Producing Lower Alcohols from Glycerol	Filed December 22, 2009
44	7663004	Method of Producing Lower Alcohols from Glycerol	Filed March 24, 2005
45	20100019192	Method of Producing Lower Alcohols from Glycerol	Filed October 31, 2006
46	20080315151	Method of Producing Lower Alcohols from Glycerol	Filed August 28, 2006
47	20080241902	Production of Biodiesel, Cellulosic Sugars, and Peptides from Simultaneous Esterification and Alcoholysis/Hydrolysis of Oil-Containing Materials with Cellulosic and Peptidic Content	Filed April 2, 2008
48	20110151527	Production of Biodiesel, Cellulosic Sugars, and Peptides from Simultaneous Esterification and Alcoholysis/Hydrolysis of Materials with Oil-Containing Substituents Including Phosphoric Acid	Filed January 26, 2011
49	7777085	Method for Conversion of Oil-Containing Algae to 1,3-Propanediol	Filed October 1, 2008
50	20110189745	Production of Biodiesel, Cellulosic Sugars, and Peptides from Simultaneous Esterification and Alcoholysis/Hydrolysis of Materials with Oil-Containing Substituents Including Phosphoric Acid	Filed February 1, 2011
51	20090198077	Production of Biodiesel, Cellulosic Sugars, and Peptides from Simultaneous Esterification and Alcoholysis/Hydrolysis of Materials with Oil-Containing Substituents Including Phosphoric Acid	Filed October 1, 2008
52	20110195471	Production of Biodiesel, Cellulosic Sugars, and Peptides from Simultaneous Esterification and Alcoholysis/Hydrolysis of Materials with Oil-Containing Substituents Including Phosphoric Acid	Filed February 10, 2011
53	20100081181	Method for Conversion of Oil-Containing Algae to 1,3-Propanediol	Filed October 1, 2008
54	8212062	Production of Biodiesel, Cellulosic Sugars, and Peptides from Simultaneous Esterification and Alcoholysis/Hydrolysis of Oil-Containing Materials with Cellulosic and Peptidic Content	Filed April 2, 2008
55	20110146138	Production of Biodiesel, Cellulosic Sugars, and Peptides from Simultaneous Esterification and Alcoholysis/Hydrolysis of Materials with Oil-Containing Substituents Including Phosphoric Acid	Filed January 21, 2011
56	10927497	Methods for the Production of High Alpha-Cellulose Pulp	Filed June 26, 2015
57	10787766	Methods for the Production of Pulp and Hemicellulose	Filed April 4, 2019
58	20190309473	Methods for the Production of Pulp and Hemicellulose	Filed April 4, 2019
59	10106862	Mixed Super Critical Fluid Hydrolysis and Alcoholysis of Cellulosic Materials to Form Alkyl Glycosides and Alkyl Pentosides	Filed March 27, 2017
60	20170121906	Methods for the Production of High Alpha-Cellulose Pulp	Filed June 26, 2015
61	20170292167	Mixed Super Critical Fluid Hydrolysis and Alcoholysis of Cellulose to Form Glucose and Glucose Derivatives	Filed March 27, 2017
62	9605325	Mixed Super Critical Fluid Hydrolysis and Alcoholysis of Cellulose to Form Glucose and Glucose Derivatives	Filed May 24, 2016
63	20160281183	Mixed Super Critical Fluid Hydrolysis and Alcoholysis of Cellulose to Form Glucose and Glucose Derivatives	Filed May 24, 2016
64	9346843	Mixed Super Critical Fluid Hydrolysis and Alcoholysis of Cellulose to Form Glucose and Glucose Derivatives	Filed November 1, 2011
65	20130303742	Mixed Super Critical Fluid Hydrolysis and Alcoholysis of Cellulose to Form Glucose and Glucose Derivatives	Filed November 1, 2011
66	20260225092	Method for the Separation of Zinc and Iron from Electric Arc Furnace Baghouse Dust	Filed March 12, 2026
67	12385071	Methods for the Production of Ferulic Acid	Filed December 31, 2020
68	12215408	Processes for the Separation of Rare Earth Elements and Non-Rare Earth Elements into Individual High Purity Elements	Filed December 10, 2020
69	20250011897	Method for the Separation of Zinc and Iron from Electric Arc Furnace Baghouse Dust	Filed September 18, 2024
70	20230332275	Processes for the Separation of Rare Earth Elements and Non-Rare Earth Elements into Individual High Purity Elements	Filed June 12, 2023
71	20230027119	Methods for the Production of Ferulic Acid	Filed December 31, 2020
72	20210172042	Processes for the Separation of Rare Earth Elements and Non-Rare Earth Elements into Individual High Purity Elements	Filed December 10, 2020
73	20200216737	Shape Stable Thermal Energy Storage Systems and Methods for Making and Using Them	Filed July 10, 2018
74	20190315644	Continous Ion Exchange Radium Complexing	Filed April 15, 2019
75	20180273819	Thermal Energy Storage Phase and Temperature Stabilization Change Materials Comprising Triamines and Methods for Making and Using Them	Filed April 29, 2016
76	20170254601	Thermal Energy Storage Systems Comprising Encapsulated Phase Change Materials and a Neutralizing Agent	Filed March 2, 2017
77	20170226395	Thermal Energy Storage Phase Change Materials Comprising Boronic Acids and Methods of Making and Using Them	Filed August 11, 2015
78	20170044414	Thermal Energy Storage and Temperature Stabilization Phase Change Materials Comprising Alkanolamides and Diesters and Methods for Making and Using Them	Filed April 23, 2015
79	9510515	Rootzone Heating for Energy Conservation Using Latent Heat Storage	Filed March 12, 2014
80	20160040054	Methods for Organic Nucleating Agents	Filed March 13, 2014
81	9090804	Methods for Generating Mixtures of Diisocyanates by Phosgenation of Diamino Alkyl Esters	Filed August 16, 2011
82	8857194	Host-Guest Complexes Used as Thermal Energy Systems	Filed October 10, 2011
83	20140259912	Rootzone Heating for Energy Conservation Using Latent Heat Storage	Filed March 12, 2014
84	20130255824	Thermal Receptacle with Phase Change Material Containing Insert	Filed January 7, 2013
85	20130211071	Method for Making Alpha-Amino-Epsilon-Caprolactam Using Mixed Super Critical Fluids	Filed September 23, 2011
86	20130134347	Composite Structures with Phase Change Material and Adsorbent and Encapsulant Materials	Filed May 2, 2012
87	20110162951	Partial Pressure Distillation Process	Filed July 13, 2010
88	7584688	Multiple-Blade Saw System with Magnetic Bearing Guide Blocks and Ferromagnetic Lubricant, Coolant and Coating System	Filed October 28, 2005