

Search history

Search 1: IC=(C01B32/342) (Results 432)
Search 2: IC=(C01B31/08) (Results 7749)
Search 3: 1 and 2 (Results 72)
Search 4: coconut or coconut) and (orange or pineapple (Results 24035)
Search 5: 3 and 4 (Results 2)
Search 6: phosphoric acid (Results 332123)
Search 7: 1 and 6 and 4 (Results 1)
Search 8: 1 and 4 (Results 2)
Search 9: 2 and 4 and 6 (Results 5)

Title: SPECIALIZED ACTIVATED CARBON DERIVED FROM PRETREATED BIOMASS

Abstract: Provided are methods, systems, and compositions for producing activated carbon from lignin residues produced from cellulosic or lignocellulosic biomass after hydrolysis of saccharides. The activated carbon is low in ash and sulfur, high in oxygen content and iodine number.

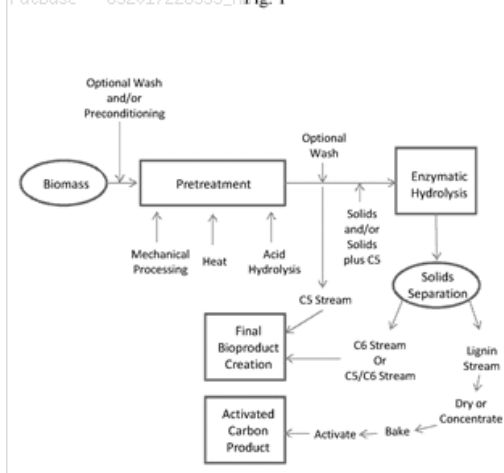
Classifications:

International (IPC 8-9): B01J20/20 B01J20/30 B09B3/00 C01B31/08 C01B32/205 C01B32/324 C10B53/02 C12M1/00 C12M1/34 C12M1/40 C12P3/00 (Advanced/Invention)

CPC: C10B53/02 C01P2004/61 C01P2006/80 C01B32/324

C01B32/336 C01B32/342 C01B32/366 C01B32/382 C01B32/39 C12M21/18 C12M41/12 C12M47/10 C12P3/00 C02F1/283 Y02E50/14

PatBase - US2017226535_A Fig. 1



Family:

Publication number	Publication date	Application number	Application date
CA2998637 AA	20180313	CA20162998637	20160916
CN108136453 A	20180608	CN201680056820	20160916
EP3350336 A1	20180725	EP20160847388	20160916
IN201817012027 A	20180810	IN201817012027	20180329
JP2018534233 T2	20181122	JP20180534457T	20160916
US2017226535 AA	20170810	US20160267617	20160916
WO17049090 A1	20170323	WO2016US52143	20160916

Priority:

US20150219476P 20150916 US20160267617 20160916 WO2016US52143 20160916

Probable Assignee: SWEETWATER ENERGY INC

Assignee(s): (std): SWEETWATER ENERGY INC

Assignee(s): TUDMAN SCOTT ; CORNERSTONE COLLATERAL CORP ; GRAANUL INVEST AS ; OU BIOFUEL

Inventor(s): (std): TUDMAN SCOTT

Agent(s): GOWLING WLG CANADA LLP; J A KEMP; ONO SHINJIRO; YAMAMOTO OSAMU; MIYAMAE TORU; NAKANISHI MOTOHARU; TERACHI TAKUMI; VAN GOOR DAVID ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: METHODS AND APPARATUS FOR TREATMENT OF LIQUIDS CONTAINING CONTAMINANTS USING ZERO VALENT NANOPARTICLES

Abstract: Methods and apparatus provide for an inorganic substrate having at least one surface having a plurality of pores; zero valent nanoparticles deposited on the at least one surface and within at least some of the pores; and a stabilizer engaging the zero valent nanoparticles and operating to inhibit oxidation of the zero valent nanoparticles.

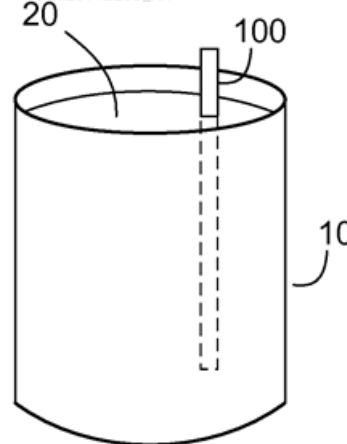
Classifications:

International (IPC 8-9): B01D15/02 B01D15/26 B01D24/00 B01D24/02 B01D24/32 B01D27/02 B01D29/88 B01D39/20 B01J20/02 B01J20/06 B01J20/08 B01J20/20 B01J20/28 B01J20/30 B01J20/32 B01J20/34 B01J21/18 B01J23/745 B01J23/755 B01J23/78 B01J35/02 B01J35/04 B01J35/10 B01J37/02 B01J37/08 B01J37/16 B82Y25/00 C01B31/08 C02F1/28 C02F1/42 C02F1/62 C02F1/70 C02F101/10 C02F101/20 C02F101/22 C02F103/06 C02F103/18 C02F9/04 (Advanced/Invention); B01J21/18 B01J23/745 B01J37/02 B01J37/08 B01J37/16 C02F101/10 C02F101/20 C02F101/22 C02F103/00 C02F103/02 C02F103/06 C02F103/18 (Advanced/Non-invention)

CPC: B01J20/3295 C02F1/288 B01J20/28016 B01J20/3236 B01J20/3225 C02F2101/20 B01D39/2034 B01D39/2037 B01D39/2093 B01D2239/0258 B01D2239/0478 B01D2239/0485 C02F1/705 C02F2101/103 C02F2101/106 C02F2101/22 C02F2103/007 Y10T428/24157 Y10T428/249957 B01J35/0013 B01J37/0217 B01J35/04 B01J37/18 C02F1/283 B01J20/20 B01J20/02 B01J20/06 B01J20/08 B01J20/28009 B01J2220/603 C02F1/281 B01D15/265 B01J20/28007 B01J20/3078 C02F2103/00 C02F2103/02 C02F2103/06 B01J20/0229 B01J20/28023 B01J20/28042 B01J20/28045 B01J20/3204 B01J21/18 B01J23/745 B01J37/0201 B01J37/088 B01J37/16 C02F2103/18 C02F2305/08 B01J20/28011 B01J20/3007 B01J20/3458 B01J2220/485 C02F2101/30 C02F2101/32 C02F2303/16 B01J20/28026 B01J20/3064 C02F2301/08 C02F1/441 C02F1/445

US: 210/335 210/670 210/679 210/688 252/175 252/178 264/171.1 427/180 427/202 427/203 427/213.31 427/215 427/337 427/372.2 428/117 428/307.7

PatBase - US2015001156_AA



Family:

Publication number	Publication date	Application number	Application date
■ CN106536420 A	20170322	CN201580040848	20150721
■ CN106794442 A	20170531	CN201580040341	20150721
■ TW201505972 A	20150216	TW20140121533	20140623
■ US2015001156 AA	20150101	US20130927857	20130626
■ US2015291446 AA	20151015	US20140252174	20140414
■ US2016023921 AA	20160128	US20140337621	20140722
■ US2016023922 AA	20160128	US20150804406	20150721
■ US9776891 BB	20171003	US20150804406	20150721
■ US10011503 BB	20180703	US20140337621	20140722
■ WO14209929 A1	20141231	WO2014US43756	20140624
■ WO15160613 A1	20151022	WO2015US25065	20150409
■ WO16014480 A1	20160128	WO2015US41268	20150721
■ WO16014505 A1	20160128	WO2015US41298	20150721

Priority:

US20130927857	20130626	US20140252174	20140414	US20140027576P	20140722
US20140337621	20140722	US20150804406	20150721	WO2015US41268	20150721
WO2015US41298	20150721				

Probable Assignee: CORNING INC

Assignee(s): (std): CORNING CO LTD ; CORNING INC

Inventor(s): (std): ADDIEGO WILLIAM PETER ; JOHNSON BENEDICT YORKE ; WANG LINGYAN

Agent(s): JOHN L; DINSMORE AND SHOHL LLP; RUSSELL MICHAEL W; HAACK JOHN L; RUSSELL MICHAEL W ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: ACTIVATED CARBON FROM PETROLEUM COKE PRETREATED WITH POLYPHOSPHORIC ACID

Abstract: ABSTRACT OF THE DISCLOSURE

An unproved method is disclosed for the production of activated carbon from petroleum coke. In the method, a particulate petroleum coke is pretreated with polyphosphoric acid having an equivalent P2O5 content greater than 74 weight percent and thereafter contacted with steam at a temperature of from 1300 to 1700 degrees F. for a period sufficient to reduce the weight of said coke by at least 70 weight percent. DESCRIPTION OF THE INVENTION This invention relates to the preparation of activated carbon, and more particularly, relates to a method for preparing activated carbon from particulate petroleum coke. B

Classifications:

International (IPC 8-9): C01B31/08 (Advanced/Invention);
C01B31/00 (Core/Invention)

International (IPC 1-7): C01B31/08

CPC: C01B32/33

European: C01B31/08D

US: 252/42.3 252/423 423/460 502/425

Family:

Publication number	Publication date	Application number	Application date
■ US3767592 A	19731023	US19710156077	19710623

Priority:

US19710156077 19710623

Probable Assignee: UNION OIL CO

Assignee(s): (std): UNION OIL CO

Assignee(s): UNION OIL CO OF CALIFORNIA US

Inventor(s): (std): KWOK J ; MILLER A

Inventor(s): MILLER A US ; KWOK J US

Title: ULTRAPURE SYNTHETIC CARBON MATERIALS

Abstract: The present application is generally directed to ultrapure synthetic carbon materials having both high surface area and high porosity, ultrapure polymer gels and devices containing the same. The disclosed ultrapure synthetic carbon materials find utility in any number of devices, for example, in electric double layer capacitance devices and batteries. Methods for making ultrapure synthetic carbon materials and ultrapure polymer gels are also disclosed.

Classifications:

International (IPC 8-9): B29C70/00 B29C70/42 B32B9/00
C01B31/00 C01B31/02 C01B31/08 C01B32/00 C01B32/05
C01B32/318 C01B32/324 C01B32/342 C01B32/348 H01B1/24
H01B5/00 H01G11/24 H01G11/32 H01G11/34 H01G11/48 H01G9/038
H01G9/042 H01G9/058 H01G9/155 H01M10/052 H01M10/06
H01M12/06 H01M12/08 H01M4/38 H01M4/583 H01M4/587 H01M4/62
H01M4/90 H01M4/96 (Advanced/Invention);
H01M4/90 (Advanced/Non-invention)

CPC: H01G9/042 H01G11/24 H01G11/34 H01G11/48 Y02E60/13
B29C70/42 H01G11/32 H01M4/96 H01M10/06 H01M10/052
C01P2006/12 C01P2006/80 H01M2220/20 H01M2220/30 H01M4/583
C01B32/318 C01B32/00 C01B32/05

European: C01B31/00 C01B31/02 H01G9/058 H01M4/583
Y02E60/12 Y02E60/13

US: 1/1 174/126.1 174/126.100S 252/511 252/511S 361/502
361/502P 423/445.00RS 423/445R 428/219 428/219S 429/213
429/220 429/221 429/223 429/229 429/231.8 429/405

PatBase - US2011002086_AA

Patent Application Publication Jan. 6, 2011 Sheet 1 of 15 US 2011/002086 A1

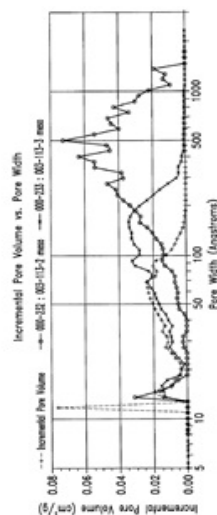


FIG. 1

Family:

Publication number	Publication date	Application number	Application date
BRPI1011793 A2	20180227	BR2010PI11793	20100701
CN102481730 A	20120530	CN201080037992	20100701
CN102481730 B	20151202	CN201080037992	20100701
CN105226284 A	20160106	CN201510738088	20100701
CN105226284 B	20171128	CN201510738088	20100701
EP2448748 A1	20120509	EP20100794793	20100701
EP2448748 A4	20160406	EP20100794793	20100701
IN10437DN2011 A	20121102	IN2011DN10437	20111230
JP2012532088 T2	20121213	JP20120518616T	20100701
JP5795309 B2	20151014	JP20120518616T	20100701
KR101830879 B1	20180221	KR20127000857	20100701
KR20120068809 A	20120627	KR20127000857	20100701
KR20180019253 A	20180223	KR20187004323	20100701
US2011002086 AA	20110106	US20100829282	20100701
US2013157151 AA	20130620	US20130767711	20130214
US2016122185 AA	20160505	US20150734993	20150609
US2017349442 AA	20171207	US20170405104	20170112
US8404384 BB	20130326	US20100829282	20100701
US9112230 BB	20150818	US20130767711	20130214
US9580321 BB	20170228	US20150734993	20150609
WO11003033 A1	20110106	WO2010US40836	20100701

Priority:

US20090222431P 20090701	US20090255037P 20091026	US20090255054P 20091026
US20090261703P 20091116	CN201080037992 20100701	US20100829282 20100701
WO2010US40836 20100701	US20130767711 20130214	US20150734993 20150609
US20170405104 20170112		

Probable Assignee: BASF SE**Assignee(s):** (std): BASF SE ; COSTANTINO HENRY R ; ENERG2 INC ; FEAVER AARON M ; SCOTT WILLIAM D ; ENERG2 TECHNOLOGIES INC ; ENERG2 TECH INC**Assignee(s):** ENGERG2 TECHNOLOGIES INC ; COMERICA BANK**Inventor(s):** (std): WILLIAM D SCOTT ; HENRY R CONSTANTINO ; AARON M FEAVER ; SCOTT WILLIAM D ; COSTANTINO HENRY R ; FEAVER AARON M**Inventor(s):** SCOTT WILLIAM ; FEAVER AARON ; COSTANTINO HENRY**Agent(s):** GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAUESSER; SEED INTELLECTUAL PROPERTY LAW GROUP PLLC; SEED IP LAW GROUP PLLC; SEED IP LAW GROUP LLP; HARWOOD ERIC ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

