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Search 4: paperm (Results 63)
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Search 9: coffee grind (Results 243)
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Search 11: coffee paperm (Results 0)
Search 12: grind (Results 108565)
Search 13: 12 and 7 (Results 1)
Search 14: 7 and pd<20150521 (Results 18)

Title: PORTABLE HEATER

Abstract: PCT No. PCT/JP93/00168 Sec. 371 Date Feb. 7, 1994 Sec. 102(e) Date Feb. 7, 1994 PCT Filed Feb. 10, 1993 PCT Pub. No. WO93/15975 PCT Pub. Date Aug. 19, 1993. A portable heater is made up of a cylindrical outer case 2 with at least one end thereof opened; a container to be heated 6 fixedly housed in the outer case 2 with a gap between the container and said outer case for the updraft of a combustion gas, the container being made of a cylindrical heat resisting container body 6c having a top 6b provided with an opening tab 6a; a burner 3 which is equipped with an ignition means 8, and is fixedly housed in the outer case 2 at a lower inside thereof so as to heat the container 6; and a fuel tank 4 fixed in a lower inside of the outer case 2 for supplying fuel to the burner 3. The container 6 holds contents to be heated when the heater is in use, and the outer case 2 has vent holes for supplying air from the outside to the burner 3. Thereby, contents of the container can be heated at any desired time and place without drawing the contents of the container by opening the top of the container. Also, the heater is provided with a heating means having a superior combustion efficiency which enables beverages to be directly heated at any desired place.

Classifications:

International (IPC 8-9): A23L1/01 A23L3/00 A23L5/10 A47J36/26 A47J36/30 A47J39/02 B41J3/407 B65D77/04 B65D77/06 B65D81/34 B67B7/50 F23N5/04 F23N5/24 F23Q3/00 F24C15/34 F24C3/14 G01K11/12 G09F3/02 (Advanced/Invention);

A47J39/02 (Advanced/Non-invention);

A23L1/01 A23L3/00 A47J36/24 A47J39/00 B65D77/04 B65D77/06

B65D81/34 F23N5/02 F23N5/24 F24C15/00 F24C3/00 G01K11/00

G09F3/02 (Core/Invention);

A47J39/00 (Core/Non-invention)

International (IPC 1-7): A23L1/01 A23L3/00 A47G23/04 A47J36/26

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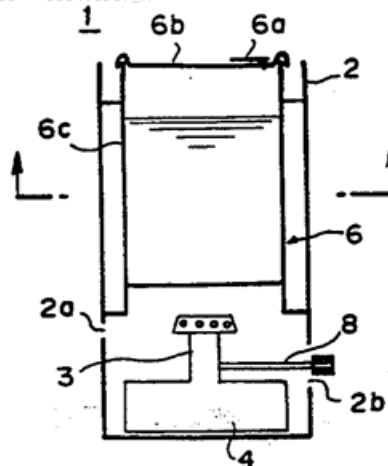
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European: A47J36/26 A47J36/30 B41J3/407 B65D17/16B2

B65D81/34S

US: 126/11 126/262 126/263.1 126/263R 126/368 126/373.1 431/13 431/33 431/34 431/43 431/75 431/88

PatBase - US5408987_A

**Family:**

Publication number	Publication date	Application number	Application date
AU199335741 A1	19930903	AU19930035741	19930210
AU199340226 A1	19931129	AU19930040226	19930423
EP0589045 A1	19940330	EP19930904292	19930210
EP0589045 A4	19940727	EP19930904292	19930210
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EP0601190 A1	19940615	EP19930909410	19930423
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JP3115946 B2	20001211	JP19920158044	19920617
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JP3130671 B2	20010131	JP19920231345	19920806
JP3308024 B2	20020729	JP19930073627	19930331
JP5269044 A2	19931019	JP19920070866	19920327
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JP6001396 A2	19940111	JP19920158137	19920617
JP6002837 A2	19940111	JP19920158044	19920617
JP6043042 A2	19940218	JP19920216352	19920722
JP6064689 A2	19940308	JP19920302178	19921112
JP6113957 A2	19940426	JP19920264655	19921002
JP6121743 A2	19940506	JP19920275861	19921014
JP6133870 A2	19940517	JP19920287295	19921026
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US5408987 A	19950425	US19940129184	19940207
US5462044 A	19951031	US19930170225	19931228
US5568805 A	19961029	US19950506896	19950726
US5598833 A	19970204	US19950506895	19950726
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WO9315975 A1	19930819	WO1993JP00168	19930210
WO9321808 A1	19931111	WO1993JP00526	19930423

Priority:

JP19920025402	19920212	JP19920070866	19920327	JP19920112553	19920501
JP19920158044	19920617	JP19920158137	19920617	JP19920216352	19920722
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US19930170225	19931228	US19950506896	19950726	US19950506895	19950726
US19950506897	19950726				

Probable Assignee: TOKAI CORP

Assignee(s): (std): KAGA YOSIMITU ; MIFUNE HIDEO ; NITTA TOMIO ; SEKI MASATO ; SERIZAWA NORIYUKI ; TOKAI CORP

Assignee(s): TOKAI KK

Inventor(s): (std): KAGA YOSHIMITSU ; KAGA YOSIMITU ; MASATO SEKI ; MIFUNE HIDEO ; NITSUTA TOMIO ; NITTA TOMIO ; HIDEO MIFUNE ; INADA TSUTOMU ; NORIYUKI SERIZAWA ; OKAWA SHINICHI ; SEKI MASATO ; SERIZAWA NOBUYUKI ; SERIZAWA NORIYUKI ; TATSUYA TASHIRO ; TOMIO NITTA ; TSUTOMU INADA ; YOSIMITU KAGA ; SHINICHI OKAWA ; TASHIRO TATSUYA

Inventor(s): TASHIRO TATSUYA MAIN FACTORY TOKAI CORP ; SERIZAWA NORIYUKI MAIN FACTORY ; SERIZAWA NORIYUKI MAIN FACTORY TOKAI CORP ; SERIZAWA NORIYUKI MAIN FACTORY TOKAI CORPORATIO ; SEKI MASATO MAIN FACTORY TOKAI ; SEKI MASATO MAIN FACTORY TOKAI CORP ; SEKI MASATO MAIN FACTORY TOKAI CORPORATION ; OKAWA SHINICHI MAIN FACTORY TOKAI CORP ; INADA TSUTOMU MAIN FACTORY TOKAI CORP ; NITTA TOMIO MAIN FACTORY TOKAI ; NITTA TOMIO MAIN FACTORY TOKAI CORP ; NITTA TOMIO MAIN FACTORY TOKAI CORPORATION ; MIFUNE HIDEO MAIN FACTORY TOKA ; MIFUNE HIDEO MAIN FACTORY TOKAI CORP ; MIFUNE HIDEO MAIN FACTORY TOKAI CORPORATION ; KAGA YOSIMITU MAIN FACTORY TOK ; KAGA YOSIMITU MAIN FACTORY TOKAI CORP ; KAGA YOSIMITU MAIN FACTORY TOKAI CORPORATION

Designated states: AT AU BE BR CA CH DE DK ES FR GB GR IE IT KR LU MC NL PT RU SE US

Title: HIGH SULFUR **FUEL PELLET** WITH REDUCED SO₂ EMISSION

Abstract: The present description relates to a method and system for generating a **fuel pellet** from high sulfur fuel waste materials having a reduced SO₂ emission. In one example, the **fuel pellet** may include petroleum coke, a biomass constituent, and an alkali substituent.

Classifications:

International (IPC 8-9): C10L10/00 C10L10/02 C10L10/04 C10L5/00 C10L5/02 C10L5/04 C10L5/36 C10L5/40 C10L5/44 C10L5/48 C10L9/10 (Advanced/Invention);

C10L5/04 C10L5/36 C10L5/44 (Advanced/Non-invention)

CPC: C10L10/02 C10L10/00 C10L5/44 C10L5/02 C10L9/10 C10L10/04 C10L2200/0209 C10L2200/024 C10L2230/02 C10L2230/04 Y02E50/10 Y02E50/30 C10L5/48 C10L2200/0469 C10L5/04 C10L5/361 C10L5/363 C10L5/366 C10L5/442

US: 1/1 44/500 44/530 44/589 44/589 44/590 44/591 44/591 44/605 44/606 44/607

PatBase - US2013232864_AA

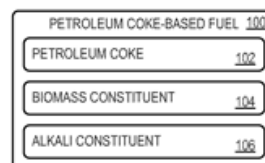


FIG. 1

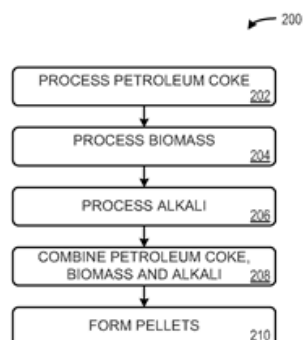


FIG. 2

Family:

Publication number	Publication date	Application number	Application date
US2013232864 AA	20130912	US20120415631	20120308
US2013232865 AA	20130912	US20120526301	20120618
US2014196361 AA	20140717	US20140216772	20140317
US2016002556 AA	20160107	US20150855266	20150915
US8702820 BB	20140422	US20120415631	20120308
US8702821 BB	20140422	US20120526301	20120618
US9163193 BB	20151020	US20140216772	20140317
US9683188 BB	20170620	US20150855266	20150915

Priority:

US20120415631 20120308 US20120526301 20120618 US20140216772 20140317
US20150855266 20150915

Probable Assignee: ELITE FUELS LLC

Assignee(s): (std): BLACKMON DONALD RAY ; BYRD SR GERALD JOSEPH ; ELITE FUELS LLC

Inventor(s): (std): BLACKMON DONALD RAY ; BYRD SR GERALD JOSEPH

Agent(s): ALLEMAN HALL MCCOY RUSSELL AND TUTTLE LLP; MCCOY RUSSELL LLP

Title: Manufacturing automation system for nuclear fuel rod production

Abstract: An automated fuel rod production system includes a radioactive powder fabrication and processing stage, a pellet fabrication stage, a pellet processing stage, a tube preparation stage and a fuel rod fabrication and inspection stage, all of which provide a continuous (paced) mode of operation from the conversion of a radioactive gas to powder, through the fabrication of the powder into pellets, to completion of the assembly of the fuel rods. Extra capacity is designed into the system at critical points in the powder processing and pellet fabrication and processing stages to facilitate the continuous, paced mode of operation.

Classifications:

International (IPC 8-9): G21C21/02 (Advanced/Invention);
G21C21/00 (Core/Invention)

International (IPC 1-7): C01G43/02 C01G43/06 G21C17/00
G21C21/00 G21C21/02 G21C3/00 G21C3/32 G21C3/62

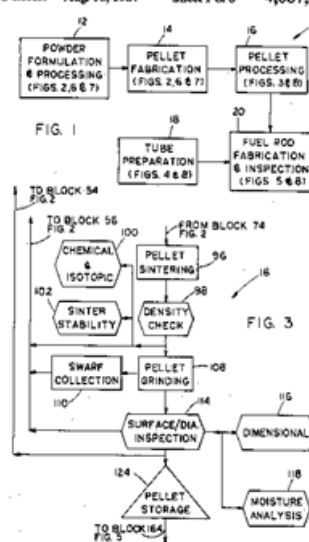
CPC: G21C21/02

European: G21C21/02

US: 252/636 252/637 252/643 264/0.5 376/245 376/257 376/260
376/261 376/426 423/19 423/258 423/261 976/DIG.283

PatBase - US4687605_A

U.S. Patent Aug. 18, 1987 Sheet 1 of 6 4,687,605



Family:

Publication number	Publication date	Application number	Application date
CN86101285 A	19860910	CN19861001285	19860218
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EP0192137 A2	19860827	EP19860101595	19860207
EP0192137 A3	19871119	EP19860101595	19860207
EP0192137 B1	19900926	EP19860101595	19860207
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ES8900082 A1	19881116	ES19860552133	19860218
JP1794102 C3	19931014	JP19860034950	19860219
JP4079600 B4	19921216	JP19860034950	19860219
JP61193096 A2	19860827	JP19860034950	19860219
KR19860006794 A	19860915	KR19860001138	19860219
KR940003711 B1	19940427	KR19860001138	19860219
US4687605 A	19870818	US19850702520	19850219

Priority:

US19850702520 19850219

Probable Assignee: WESTINGHOUSE ELECTRIC CORP

Assignee(s): (std): WESTINGHOUSE ELECTRIC CO LLC ; WESTINGHOUSE ELECTRIC CORP

Assignee(s): WESTINGHOUSE ELECTRIC CORP PITTSBURGH PA US

Inventor(s): (std): BASSON DAVID M ; BATSON DAVID M ; BATSON DAVID MARRIN ; BATSON DAVID MARTIN ; BUCHER GEORGE D ; BUCHER GEORGE DAVID ; FURANSHISU SERIEERU ; GRAULTY ROBERT T ; GRAULTY ROBERT THOMAS ; HEMANTO HIRARARU SHIYAA ; JIYON EDOWAADO SUTAINKAACHINAA ; JIYON KURAUD RINPAATO ; JIYOOJI DEBITSUDO BACHIYAA ; JOHN CLARENCE DANIEL JR ; CELLIER FRANCIS ; JOHN JR ; JOHN JR CLARENCE D ; JOHN JR CLEARANSE D ; JOHNSON WENDELL L ; JOHNSON WENDELL LEE ; JOHNSON WENDELL L ; DEBITSUDO MAACHIN BATOSON ; KUO CHIEH WU CHRISTOPHER ; KURARENSU DANIERU JIYON JIYUNI ; KURISUTOFUAA KUOCHIE UU ; LAROUERE PAULA J ; LAROUERE PAULA JEAN ; LAUEL POLA G ; LIMPET JOHN C ; LIMPET JOHN CLAUDE ; POORA JIIN RARUEERU ; RIMPET JONE C ; ROBAATO ARUDEN UIRIA ; ROBAATO ARUDEN UIRIAMUZU ; ROBAATO TOOMASU GURAUUTET ; SHAH HEMANT H ; SHAH HEMANT HIRALAL ; STEINKIRCHNER JOHN E ; STEINKIRCHNER JOHN EDWARD ; U CHRISTOPHER KUO CHU ; UENDERU RII JIYONSON ; WILLIAM ROBERT A ; WILLIAMS ROBERT A ; WILLIAMS ROBERT ALDEN ; WU CHRISTOPHER K C ; WU CHRISTOPHER KUO CHIEH

Inventor(s): WILLIAMS ROBERT ALDEN COLUMBIA SOUTH CAROLINA 2920 ; WILLIAMS ROBERT ALDEN COLUMBIA SOUTH CAROLINA... ; UENDERU RII JONSON ; WENDELL LEE JOHNSON ; STEINKIRCHNER JOHN EDWARD PITTSBURGH PENNSYLVANIA ; STEINKIRCHNER JOHN EDWARD PITTSBURGH... ; SHAH HEMANT HIRALAL MONROEVILLE PENNSYLVANIA 15146 ; SHAH HEMANT HIRALAL MONROEVILLE PENNSYLVANIA... ; ROBERT THOMAS GRAULTY ; LIMPET JOHN CLAUDE EXPORT PENNSYLVANIA 15632 US ; LAROUERE PAULA JEAN NORTH VERSAILLES PENNSYLVANIA ; LAROUERE PAULA JEAN NORTH VERSAILLES... ; KURARENSU DANIERU JIYON JIYUNIA ; KURARENSU DANIERU JON JUNIA ; KURISUTOFUAA KUOCHIE UU ; KUO CHIEH WU CHRISTOPHER COLUMBIA SOUTH CAROLINA 2 ; KUO

CHIEH WU CHRISTOPHER COLUMBIA SOUTH... ; FRANCIS CELLIER ; JON EDOWAADO ; JON KURAUDE
RINPAATO ; JOOJI DEBITSUDO BACHAA ; JOHNSON WENDELL LEE COLUMBIA SOUTH CAROLINA 29223
; JOHNSON WENDELL LEE COLUMBIA SOUTH CAROLINA... ; JOHN JR CLARENCE DANIEL VERONA
PENNSYLVANIA 15147 ; JOHN JR CLARENCE DANIEL VERONA PENNSYLVANIA... ; CELLIER FRANCIS
EXPORT PENNSYLVANIA 15632 US ; CHRISTOPHER KUO CHIEH WU ; DAVID MARRIN BATSON ; JOHN
CLAUDE LIMPET ; BUCHER GEORGE DAVID ALLISON PARK PENNSYLVANIA 1510 ; BUCHER GEORGE
DAVID ALLISON PARK PENNSYLVANIA... ; BATSON DAVID MARTIN LEXINGTON SOUTH CAROLINA
29072 ; BATSON DAVID MARTIN LEXINGTON SOUTH CAROLINA...

Designated states: BE DE FR GB IT SE

Title: BIOCOKE PRODUCING APPARATUS, METHOD OF CONTROLLING THE SAME AND PROCESS FOR PRODUCTION THEREOF

Abstract: A biocoke producing apparatus that realizes efficient mass production of biocoke; a method of controlling the same; and a process for manufacture thereof. The apparatus includes a horizontal tubular reaction vessel (10) provided on its one end side with a supply part (11) for pulverized biomass and provided on its other end side with a discharge part (12). On the supply part side, there is provided an extrusion piston (6) capable of reciprocation along the longitudinal direction in the interior of the reaction vessel and capable of pressurizing the pulverized biomass within the vessel; The temperature range and pressure range for inducing a pyrolytic or thermal curing reaction of lignin and hemicellulose contained in the pulverized biomass are preset, and the reaction vessel (10) is provided with a thermal reaction region (13) for heating the pulverized biomass at temperature within the above temperature range and with a cooling region (14). By means of the extrusion piston (6), not only is the pulverized biomass transferred so as to stay for a given period of time in each of the regions but also the pulverized biomass within the vessel is pressurized so as to fall within the above pressure range.

Classifications:

International (IPC 8-9): B01J19/00 C10B53/02 C10L5/06 C10L5/44 (Advanced/Invention);

B01J19/00 C10L5/00 C10L5/40 (Core/Invention)

International (IPC 1-7): C10L5/44

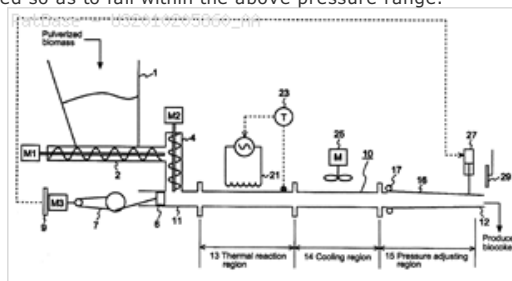
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C10B53/02 Y02E50/10 Y02E50/14 Y02E50/30 Y02P20/145

European: B30B11/26 C10B47/32 C10B53/02 C10L5/44 Y02E50/10

Y02E50/14 Y02E50/30

US: 422/208 422/208S 44/597 44/597P



Family:

Publication number	Publication date	Application number	Application date
BRPI0810488 A2	20150616	BR2008PI10488	20080418
CN101730733 A	20100609	CN200880013344	20080418
CN101730733 B	20131016	CN200880013344	20080418
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EP2149597 A4	20120111	EP20080752080	20080418
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JP2008274113 A2	20081113	JP20070119273	20070427
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US2010205860 AA	20100819	US20080597618	20080418
WO08136369 A1	20081113	WO2008JP57999	20080418

Priority:

JP20070119273 20070427 WO2008JP57999 20080418

Probable Assignee: KINKI UNIV

Assignee(s): (std): IDA TAMIO ; KAWAMI YOSHIMASA ; KINDAI UNIV ; MITSUBISHI HEAVY IND ENVIRONME ; MHI ENVIRONMENT ENG CO LTD ; MITSUBIBHI HEAVY IND ENVIRONMENTAL ENGINEERING CO ; MITSUBIBHI HEAVY IND ENVIRONMENTAL ENGINEERING CO LTD ; UNIV KINKI ; SATOU JUN ; NANIWA ROKI CO LTD

Assignee(s): NANIWA ROKI CO LTD ; KINKI UNIV ; NANIWA ROKI CO LTD KINKI UNIV ; MITSUBISHI HEAVY IND ENVIRONMENT ENGINEERING CO ; MITSUBISHI HEAVY IND ENVIRONMENT ENGINEERING CO LTD ; MITSUBISHI HEAVY INDUSTRIES ENVIRONMENT ENGINEERING CO LTD ; MITSUBISHI HEAVY IND ENVIRONMENT ENGINEERING CO LT ; MHI ENVIRONMENT ENGINEERING CO LTD ; NANIWA ROKI CO ; KINKI UNIV ; KINKI UNIVERSITY

Inventor(s): (std): SATOU JUN ; IDA TAMIO ; KAWAMI YOSHIMASA ; SATO JUN ; TAMIO IDA ; YOSHIMASA KAWAMI

Inventor(s): JUN SATOU

Agent(s): ADVOTEC; WENDEROTH LIND AND PONACK LLP; TAKAHASHI MASAHISA

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 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 KE KG KM KN KP KR 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 PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: **COFFEE**-BASED SOLID FUEL COMPOSITION

Abstract: The present invention relates to a solid burnable fuel composition which contains a major proportion of spent dried **coffee** grounds for forming into high density pellets, synthetic fire-logs and fire kindling products. A homogeneous mixture of at least 50 percent **coffee**, with 30 percent or less by weight of a combustible binder is compressed and extruded in the form of fire-logs. A pellet fuel comprising entirely **coffee** provides a higher energy fuel source than prior art fuel sources. **Coffee** has a higher calorific value than hardwood, providing an efficient fuel material requiring less combustible binder, such as wax, than prior art fire-logs, and offering a higher energy value pellet than wood without added binder.

Classifications:

International (IPC 8-9): C10L11/04 C10L5/04 C10L5/44 (Advanced/Invention);
C10L11/00 C10L5/40 (Core/Invention)

International (IPC 1-7): C10L11/04 C10L5/04 C10L5/40 C10L5/44 C10L5/48

CPC: C10L5/40 C10L5/44 C10L11/04 Y02E50/10 Y02E50/30

European: C10L11/04 C10L5/44 Y02E50/10 Y02E50/30

US: 44/535 44/576 44/577 44/589 44/590

Family:

Publication number	Publication date	Application number	Application date
AT332351 E	20060715	AT19990304207T	19990528
CA2273321 AA	19991129	CA19992273321	19990528
CA2273321 C	20040217	CA19992273321	19990528
DE69932204 D1	20060817	DE19996032204	19990528
DE69932204 D1	20060817	DE19996032204T	19990528
DE69932204 T2	20070614	DE19996032204T	19990528
EP0962515 A1	19991208	EP19990304207	19990528
EP0962515 B1	20060705	EP19990304207	19990528
ES2268830 T3	20070316	ES19990304207T	19990528
US5910454 A	19990608	US19980086797	19980529
US6113662 A	20000905	US19990321925	19990528

Priority:

US19980086797 19980529 US19980086797 19980529 CA19992273321 19990528
US19990321925 19990528

Probable Assignee: ROYAL OAK ENTERPRISES LLC

Assignee(s): (std): JAVA LOGG GLOBAL CORP ; SPRULES RODNEY K

Assignee(s): ROYAL OAK ENTERPRISES LLC ; ROBUSTION TECHNOLOGIES INC ; 4174364 CANADA INC ;
BERNARDIN LTD ; HEARTHMARK LLC

Inventor(s): (std): SPRULES RODNEY K

Agent(s): RICHES MCKENZIE AND HERBERT LLP

Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Title: COMPOSITE BIOMASS FUEL COMPACT

Abstract: A biomass fuel compact is provided by the present disclosure that includes a body having a combustible biomass composition and an adhesive additive. The adhesive additive includes a starch and a hydroxide. Further additives may also be provided, which include a silicate additive, a viscosity additive, a preservative, and a BTU additive, wherein each of the silicate additive, the viscosity additive, the preservative, and the BTU additive are combustible materials. Various geometries and compositions for the biomass fuel compact are also provided by the present disclosure.

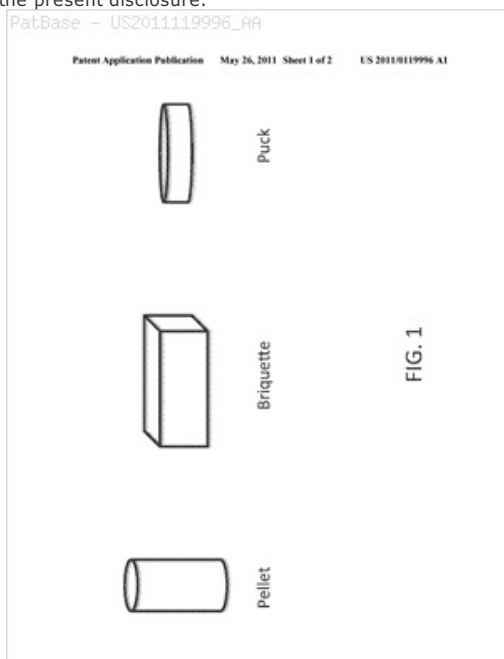
Classifications:

International (IPC 8-9): A23K1/00 A23K1/14 A23K1/16 A23K1/175 B09B3/00 C10L5/14 C10L5/40 C10L5/42 C10L5/44 C10L5/48 (Advanced/Invention)

CPC: C10L5/40 Y02E50/10 Y02E50/30 C10L2230/14 C10L2250/02 C10L2250/04 C10L2290/08 C10L2290/24 C10L2290/30 C10L5/14 C10L5/36 C10L5/42 C10L5/442 C10L5/445 C10L5/48 C10L5/143 A23K20/00 A23K20/163 A23K20/20 A23K20/22 A23K20/24 A23K40/00 C10L5/44 A23K40/20

European: C10L5/40 C10L5/44 Y02E50/10 Y02E50/30

US: 426/635 44/530 44/530P 44/535 44/577 44/589 44/589S 44/605 44/605S 44/606 44/606S 514/769



Family:

Publication number	Publication date	Application number	Application date
AU2014227899 AA	20151022	AU20140227899	20140314
BR112015024216 A2	20170718	BR20151124216	20140314
CA2907084 AA	20150915	CA20142907084	20140314
CN105164236 A	20151216	CN201480022593	20140314
EP2970804 A1	20160120	EP20140718276	20140314
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WO14144067 A3	20141204	WO2014US28319	20140314

Priority:

US20100336989P 20100129 US20110018211 20110131 US20130841570 20130315
US20130841636 20130315 WO2014US28298 20140314

Probable Assignee: ENGINEUITY WORLDWIDE LLC

Assignee(s): (std): ENGINEUITY WORLDWIDE LLC ; HEIMANN NANCY ; HEIMANN ROBERT L ; SAYRE CHAD

Assignee(s): ECAP BIOENERGY LLC C O BRETT ERDEL OWINGS AND TANZEY

Inventor(s): (std): HEIMANN NANCY ; HEIMANN ROBERT ; SAYRE CHAD ; HEIMANN ROBERT L ; ROBERT L HEIMANN

Agent(s): GRIFFITH HACK; ROBIC; AGASSE STEPHANE; ARAI EIICHI; FUJITA TAKASHI; TANAKA NATSUO; HIRAKI YUSUKE; BURRIS KELLY K; WEISS KEITH D

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 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: BIOMASS FUEL COMPACT PROCESSING METHOD

Abstract: A method of processing a biomass fuel compact is provided by the present disclosure that includes comprising combining a composition of combustible biomass materials, comminuting the composition of biomass materials, drying the comminuted composition of biomass materials, and adding an adhesive to the biomass materials, the adhesive comprising a starch and a hydroxide. Further additives are also provided, which include a silicate, a viscosity agent, a preservative, and a BTU additive. The composite biomass is processed into a shapeform, and then the shapeform is partitioned into individual pieces that are compatible with existing powerplants. In one form, the processing is performed at lower temperatures such that an endothermic reaction of the biomass materials and adhesive results.

Classifications:

International (IPC 8-9): C10L5/14 C10L5/44 (Advanced/Invention)

CPC: Y02E50/15 C10L5/40 Y02E50/10 Y02E50/30 C10L5/143 C10L1/1233 C10L1/198 C10L2200/0453 C10L2250/04 C10L2290/20 C10L2290/28 C10L2290/30 C10L2290/36 C10L5/14 C10L5/406 C10L5/42 C10L5/442 C10L5/445 C10L2290/06 C10L2290/32 C10L5/44 C10L5/105 C10L5/32 C10L5/36 C10L9/08 C10L2290/08

European: C10L5/40 C10L5/44 Y02E50/10 Y02E50/30

US: 44/535 44/577 44/577P 44/589

PatBase - US2011119997_AA

Patent Application Publication May 26, 2011 US 2011/019997 A1

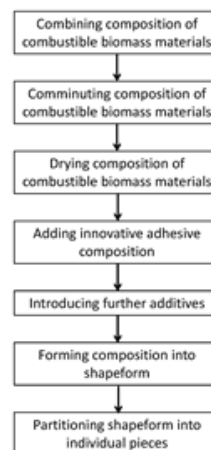


FIG. 1

Family:

Publication number	Publication date	Application number	Application date
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US2013276363 AA	20131024	US20130841824	20130315
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Priority:

US20100336989P 20100129 US20110018155 20110131 US20120453999 20120423
US20130841824 20130315

Probable Assignee: ENGINUITY WORLDWIDE LLC

Assignee(s): (std): ENGINUITY WORLDWIDE INC ; ENGINUITY WORLDWIDE LLC ; HEIMANN ROBERT

Assignee(s): ECAP BIOENERGY LLC C O BRETT ERDEL OWINGS AND TANZEY

Inventor(s): (std): HEIMANN NANCY ; HEIMANN ROBERT ; HEIMANN ROBERT L ; SAYRE CHAD

Agent(s): BURRIS KELLY K; WEISS KEITH D

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: BIOCOKE PRODUCING METHOD AND APPARATUS

Abstract: A method of producing biocokes in which pulverized biomass is fed and pressed in a reaction container is provided, wherein the pulverized biomass in a substantially-packed state is pressure-formed while being heated in a temperature range and a pressure range to obtain a semi-carbonized solid matter or pre-semi-carbonized solid matter and then cooled to produce biocoke. The method may include a filling step; a reaction step; heating the pulverized biomass by means of a heating device to the temperature range and keeping such state for a prescribed period of time to form a shaped matter of the pulverized biomass in the reaction container, and then cooling the shaped matter by switching from the heating device to a cooling device; and an ejecting step.

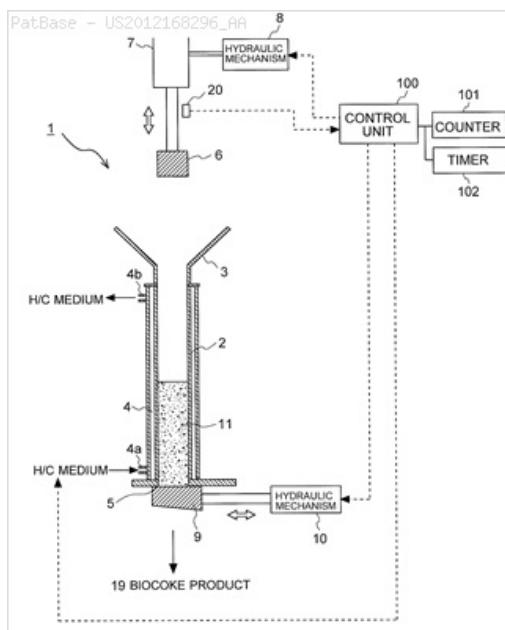
Classifications:

International (IPC 8-9): B09B3/00 B26F3/00 C10B47/00 C10B53/00 C10B53/02 C10L5/44 C10L9/08 (Advanced/Invention); B09B3/00 B26F3/00 C10B53/00 C10L5/40 (Core/Invention)

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European: C10B47/12 C10B53/02 C10L5/36D C10L5/44 C10L5/44F C10L9/08 C10L9/08B Y02E50/10 Y02E50/14 Y02E50/15 Y02E50/30

US: 201/1 201/1P 201/35 201/35S 202/96 202/96S

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Publication number	Publication date	Application number	Application date
AU2010231882 AA	20101007	AU20100231882	20100319
EP2415852 A1	20120208	EP20100758453	20100319
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IN07527DN2011 A	20121228	IN2011DN07527	20110930
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JP2010100809 A2	20100506	JP20090083889	20090331
JP2010100810 A2	20100506	JP20090083890	20090331
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JP5547420 B2	20140716	JP20090083895	20090331
MY149440 A	20130830	MY20110004715	20100319
SG174994 A1	20111128	SG20110071339	20100319
US2012168296 AA	20120705	US20110250444	20110930
WO10113679 A1	20101007	WO2010JP54821	20100319

Priority:

US20080108672P 20081027 JP20090083887 20090331 WO2010JP54821 20100319

Probable Assignee: KINKI UNIV

Assignee(s): (std): IDA TAMIO ; KAWAMI YOSHIMASA ; UNIV KINKI ; SATOU JUN ; NANIWA ROKI CO LTD ; SATO JUN

Assignee(s): KINKI UNIVERSITY ; NANIWA ROKI CO ; KINKI UNIV

Inventor(s): (std): KAWAMI YOSHIMASA ; SATO ATSUSHI ; IDA TAMIO ; SATOU JUN ; TAMIO IDA ; YOSHIMASA KAWAMI

Inventor(s): JUN SATOU

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; COLLIN JEROME; TAKAHASHI MATSUMOTO AND PARTNERS INTELLECTUAL PROPERTY CORP

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 KE KG KM KN KP KR 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 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

Title: ENGINEERED FUEL FEED STOCK

Abstract: Disclosed are novel engineered fuel feed stocks, feed stocks produced by the described processes, and methods of making the fuel feed stocks. Components derived from processed MSW waste streams can be used to make such feed stocks which are substantially free of glass, metals, grit and noncombustibles. These feed stocks are useful for a variety of purposes including as gasification and combustion fuels.

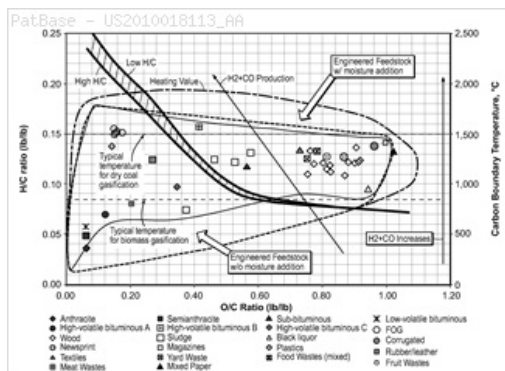
Classifications:

International (IPC 8-9): B03B5/48 C01B3/02 C10J3/00 C10J3/46 C10J3/48 C10J3/72 C10L C10L10/00 C10L5/00 C10L5/08 C10L5/36 C10L5/40 C10L5/44 C10L5/46 C10L5/48 C10L8/00 (Advanced/Invention); C10J3/26 (Advanced/Non-invention); C10L5/00 C10L5/40 (Core/Invention)

CPC: C10J3/482 C10J3/26 C10J3/463 C10J2300/0903 C10J2300/0909 C10J2300/0916 C10J2300/0946 C10L5/366 Y02E50/10 Y02E50/30 C10L2200/0469 C10L2290/30 C10L2290/24 C01B3/02 C10L5/36 C10L5/48 C10L5/40 C10L2250/04 C10L2290/28 C10J2300/092 C10J2300/0906 C10L5/46 C10J3/72 C10L5/08 C10L5/363 C10L5/403 C10L5/406 C10L5/445 Y02P20/145 C10L2200/0263 C10L2200/0277 C10L2200/0295 C10L2200/0461

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US: 1/1 241/14 241/17 252/182.12 252/182.3 44/500 44/500P 44/530 44/535 44/550 44/550P 44/552 44/589 44/589P 44/589S 44/590 44/605 44/605S 44/606



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Priority:

US20080076020	20080626	US20080076020P	20080626	US20080076027P	20080626
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Probable Assignee: CASELLA WASTE SYSTEMS INC

Assignee(s): (std): BAI DINGRONG ; BOHLIG JAMES W ; CALABRESE PAULA A ; ACCORDANT ENERGY LLC ; CASELLA WASTE SYS INC ; MPH ENERGY LLC ; CASELLA WASTE SYSTEMS INC STAR ; RE COMMUNITY HOLDINGS II INC ; RE COMMUNITY ENERGY LLC

Assignee(s): SGP LAND LLC ; WILMINGTON TRUST CO COLLATERAL AGENT AS ; KEENELAND CAPITAL LLC ; RE COMMUNITY ENERGY LLC ; ARES CAPITAL COLLATERAL AGENT AS CORP ; FCR LLC ; CASELLA WASTE SYSTEMS INC

Inventor(s): (std): BOHLIG JAMES W ; BAI DINGRONG ; CALABRESE PAULA A ; CALABRESE PAULA ; JAMES W BOHLIG ; PAULA A CALABRESE ; DINGRONG BAI

Inventor(s): BOHLIG JAMES ; A PAULA CALABRESE

Agent(s): SMART AND BIGGAR; BASSIL NICHOLAS CHARLES; GRUND MARTIN; MUESERREF AKYOL; WILMERHALE/BOSTON; WILMERHALE BOSTON; WILMERHALE/DC; WILMERHALE DC; COOLEY LLP; FARMER J DEAN ET AL; BEVILACQUA MICHAEL J ET AL; SUPERKO COLLEEN 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 LY 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

Title: WOOD RESIDUE DISPOSAL SYSTEM

Abstract: A method of wood waste disposal which regulates factors such as the amount of wood residue being fed to an incinerator at any given time so that wood residue from a mill is processed promptly and efficiently without compromising the efficient operation of the incinerator. The wood residue is separated into at least two fractions, the first fraction being directed to a storage bin for later use as required, and the second fraction being directed to the incinerator. During periods of slack feed of the second fraction to the incinerator, portions of the first fraction, as required, are directed to the incinerator as make-up, in order to maintain an optimal range of incinerator conditions by manipulating the volume and flow of wood residue in cooperation with manipulating other factors.

Classifications:

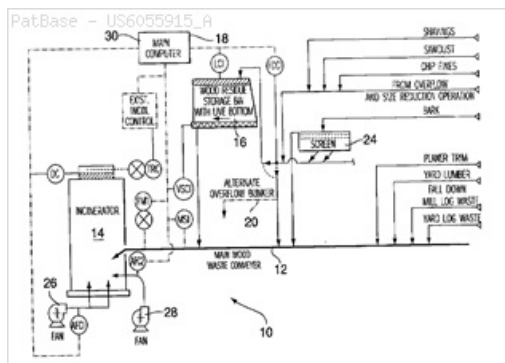
International (IPC 8-9): B07B7/00 F23G5/02 F23G5/50 F23G7/10 F23N5/20 (Advanced/Invention); F23N5/18 (Advanced/Non-invention); F23G5/50 F23G7/00 F23N5/20 (Core/Invention); F23N5/18 (Core/Non-invention)

International (IPC 1-7): B07B7/00 F23G5/02 F23G5/50 F23N5/00 F23N5/18 F23N5/20 F23N5/22

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European: F23G5/50 F23G7/10A F23N5/20B R23N21/02 R23N23/22 R23N25/02 R23N25/16 R23N33/06 R23N39/02 R23N41/18 R23N5/18A

US: 110/101CA 110/101CD 110/101CF 110/185 110/186 110/190 110/191 110/192 110/219 110/220 110/222 110/342



Family:

Publication number	Publication date	Application number	Application date
CA2206913 AA	19981004	CA19972206913	19970604
CA2206913 C	20030218	CA19972206913	19970604
US6055915 A	20000502	US19970832879	19970404

Priority:

US19970832879 19970404 CA19972206913 19970604

Probable Assignee:

BICKELL ROY A

Assignee(s): (std):

BICKELL ROY A ; VANDERVEEN TJEERD E

Inventor(s): (std):

BICKELL ROY A ; VANDERVEEN TJEERD E

Agent(s):

OYEN WIGGS GREEN AND MUTALA LLP

Title: WASTE COLLECTION DEVICE, AND WASTE RECYCLING SYSTEM

Abstract: A waste collection device configured to shred, treat waste with disinfectant, and/or remove water from the waste, and a waste recycling system.

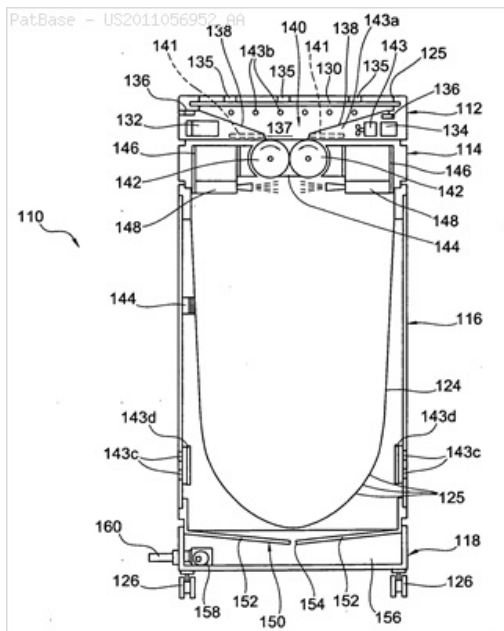
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CPC: B65F1/0066 B65F1/10 B65F1/1426 B65F1/1468 B65F1/1484 B65F1/1638 B65F7/00 B65F2210/1123 B65F2210/1128 B65F2210/132 B65F2210/137 B65F2210/144 B65F2210/181 G06Q99/00 G06Q10/30 G06K7/10366 G06Q90/00 B65F1/0006

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**Family:**

Publication number	Publication date	Application number	Application date
US2011056952 AA	20110310	US20100754985	20100406
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Priority:

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 US20130998135 20131007 US2014099835P 20140807 US20150545984 20150714

Probable Assignee: ULTRA SMART RECYCLING LLC

Assignee(s): (std): BOROWSKI DAVID ; HUDDLESTON WILLIAM ; THORP BEN ; THORP BENJAMIN ; THORP BENJAMIN A ; ULTRA SMART RECYCLING LLC

Inventor(s): (std): HUDDLESTON WILLIAM ; BOROWSKI DAVID ; THORP BEN ; THORP BENJAMIN ; THORP BENJAMIN A ; KLIMA WILLIAM L ; BOROWSKI DAVID V ; HUDDLESTON WILLIAM C

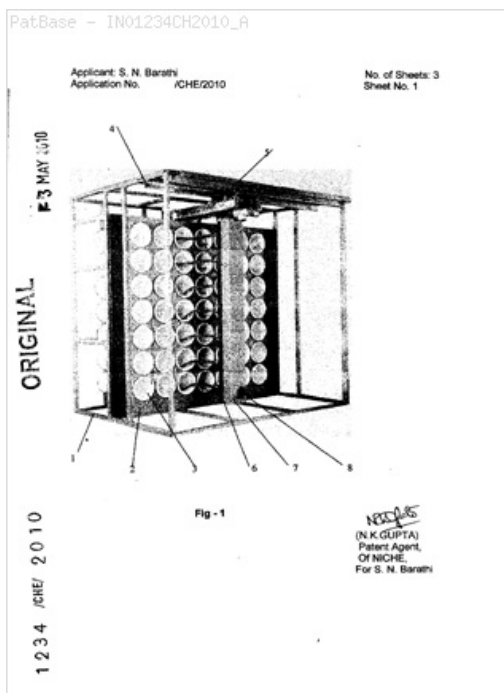
Agent(s): WILLIAM L; KLIMA LAW OFFICES PLL; KLIMA LAW OFFICES PLLC

Title: AN IMPROVED ENERGY EFFICIENT FILTRATION UNIT FOR DUST RECOVERY AND THE METHOD THEREOF

Abstract: The present invention relates to a energy efficient filtration unit for dust recovery comprising of a plurality of small drums for the collection of the dust disposed in a matrix form; a collection unit comprising a plurality of nozzles connected to the back end of the said small drums; a fan disposed as a part of the said collection unit configured for the suction of the dust particles from the nozzles; a motorized traverse mechanism configured for the movement of the said collection unit; a control unit configured for controlling the fan speed and the movement of the traverse mechanism and a method of filtration of dust using the said filtration unit.

Classifications:

International (IPC 1-7): B41J29/00



Family:

Publication number	Publication date	Application number	Application date
IN01234CH2010 A	20100604	IN2010CH01234	20100503

Probable Assignee: S N BARATHI

Assignee(s): S N BARATHI

Inventor(s): S N BARATHI

Title: **FUEL PELLET** AND METHOD OF MANUFACTURING SAME

Abstract: In its broad aspect, the invention provides a solid fuel composition including at least approximately 34.8 percent by volume of a **coffee** waste component, the **coffee** waste component having at most approximately 40 percent by weight of water, at least approximately 34.8 percent by volume of a wood dust component, and at least approximately 26.1 percent by volume of an adhesive, for binding the **coffee** waste component and the wood dust component together.

Classifications:

International (IPC 8-9): C10L5/44 (Advanced/Invention)

CPC: C10L5/44 C10L5/363 C10L5/442 C10L5/445 C10L5/447
C10L2290/24 C10L2290/28 C10L2290/30 C10L2290/32 Y02E50/10
Y02E50/30

PatBase - CA2821611_AA 63871611 2013-07-24

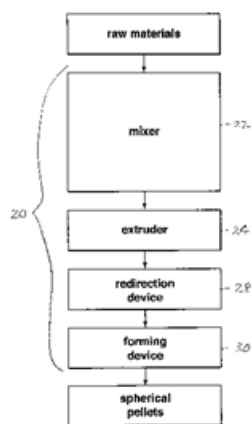


FIG. 1A

Family:

Publication number	Publication date	Application number	Application date
CA2821611 AA	20150124	CA20132821611	20130724

Priority:

CA20132821611 20130724

Probable Assignee: FUTURE WASTE MAN INC

Assignee(s): (std): FUTURE WASTE MAN INC ; GAUNTLEY CHRISTOPHER R

Assignee(s): DAVIDSON SHAWN L ; FUTURE WASTE MANAGEMENT INC

Inventor(s): (std): DAVIDSON SHAWN L ; GAUNTLEY CHRISTOPHER R

Agent(s): GOWLING LAFLEUR HENDERSON LLP

Assignee(s): (std): ALFRED Y WONG ; ALPHA RING INT LTD ; NONLINEAR ION DYNAMICS LLC
Inventor(s): (std): WONG ALFRED Y ; RINZLER CHARLES ; WONG ALFRED ; WOODBURY DAVID A
Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; SLINGSBY PARTNERS LLP; BELVIS GLEN P ET AL; WEAVER JEFFREY K 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 DJ 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 JO JP KE KG KH 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: BIOCOKE PRODUCING APPARATUS AND PROCESS THEREFOR

Abstract: A biocoke producing apparatus that realizes efficient mass production of biocoke; and a process therefor. There is disclosed a biocoke producing apparatus capable of pressure molding of a moisture-regulated pulverized biomass while heating the same in a reaction vessel (1) to thereby obtain biocoke. In the reaction vessel (1), there are preset the temperature range and pressure range for, without carbonizing of the pulverized biomass, inducing a pyrolytic or thermal curing reaction of lignin and hemicellulose thereof. The reaction vessel (1) has pressurization means for pressurizing to the pressure range, heating means for heating to the temperature range in the state of the pressurization and cooling means for cooling after maintaining of the above state. Multiple reaction vessels (1) are provided. A pulverization delivery conveyor (20) is provided superior to these reaction vessels, and each of the multiple reaction vessels is connected via a connection tube (4) to the conveyor. The connection tube (4) is provided with pulverizate charging means for charging a given amount of pulverized biomass in accordance with a timing of pulverizate charging to the reaction vessels.

Classifications:

International (IPC 8-9): B09B3/00 C10B45/02 C10B47/12 C10B51/00 C10B53/02 C10L5/02 C10L5/06 C10L5/44

C10L9/08 (Advanced/Invention); B09B3/00 C10B51/00 C10B53/00 C10L5/40 (Core/Invention)

International (IPC 1-7): C10L5/44

CPC: C10B47/12 C10B53/02 C10L5/447 C10L5/02 C10L9/083

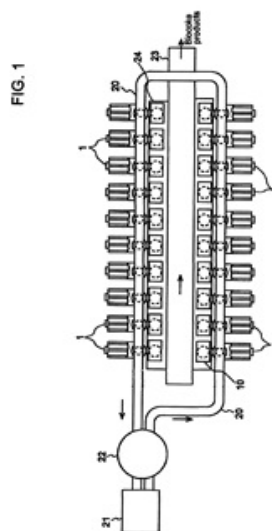
Y02E50/10 Y02E50/14 Y02E50/30 Y02E50/15 Y02P20/145

European: C10L5/44 Y02E50/10 Y02E50/14 Y02E50/30

US: 201/35 201/5 201/7 201/8 202/113 202/117 202/118 202/248 202/96 202/96S 44/589 44/593 44/595 44/597 44/597P

PatBase - US2010162618_AA

Patent Application Publication Jul. 1, 2010 Sheet 1 of 6 US 2010/0162618 A1

**Family:**

Publication number	Publication date	Application number	Application date
CN102015977 A	20110413	CN200880013508	20080422
CN102015977 B	20130911	CN200880013508	20080422
EP2143780 A1	20100113	EP20080740912	20080422
EP2143780 A4	20130515	EP20080740912	20080422
IN06790DN2009 A	20100625	IN2009DN06790	20091023
JP2008274108 A2	20081113	JP20070119268	20070427
US2010162618 AA	20100701	US20100597662	20100126
US8460515 BB	20130611	US20100597662	20100126
WO08136475 A1	20081113	WO2008JP58226	20080422

Priority:

JP20070119268 20070427 WO2008JP58226 20080422

Probable Assignee: KINKI UNIV

Assignee(s): (std): IDA TAMIO ; KAWAMI YOSHIMASA ; KINDAI UNIV ; MHI ENVIRONMENT ENG CO LTD ; MITSUBISHI HEAVY IND ENVIRONME ; NANIWA ROKI CO LTD ; MITSUBIBHI HEAVY IND ENVIRONMENTAL ENGINEERING CO ; MITSUBIBHI HEAVY IND ENVIRONMENTAL ENGINEERING CO LTD ; UNIV KINKI ; SATOU JUN

Assignee(s): MITSUBISHI HEAVY IND ENVIRONMENT ENGINEERING CO LTD ; MITSUBISHI HEAVY IND ENVIRONMENT ENGINEERING CO ; MITSUBISHI HEAVY INDUSTRIES ENVIRONMENT ENGINEERING CO LTD ; NANIWA ROKI CO LTD ; KINKI UNIV ; MITSUBISHI HEAVY IND ENVIRONMENT ENGINEERING CO LT ; NANIWA ROKI CO LTD KINKI UNIV ; MHI ENVIRONMENT ENGINEERING CO LTD ; NANIWA ROKI CO ; KINKI UNIV ; KINKI UNIVERSITY

Inventor(s): (std): SATO JUN ; YOSHIMASA KAWAMI ; TAMIO IDA ; KAWAMI YOSHIMASA ; IDA TAMIO ; SATOU JUN

Inventor(s): JUN SATOU

Agent(s): ADVOTEC; WENDEROTH LIND AND PONACK LLP; WENDEROTH LIND AND PONACK L L P; TAKAHASHI MASAHISA

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 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 KE KG KM KN KP KR 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 PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

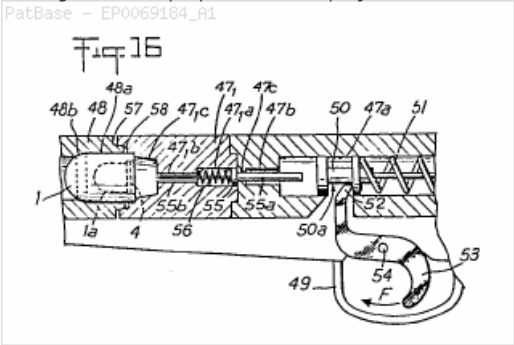
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MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST
SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: FIREARM FOR SELF-PROPELLING PROJECTILES, SELF-PROPELLING PROJECTILES AND THEIR PRODUCTION.

Abstract: The invention relates to a firearm for firing self-propelling projectiles, forming a chamber (1a) containing a powder charge and a primer (4), the case having in its front part a metal mass comprising at least one element (1). This projectile is intended to be fired in weapons comprising a barrel (48) equipped with a chamber (48a) for receiving the projectile, a breech (47) and means for putting the weapon into the firing position and for triggering the shot. At the moment of firing, the part of the projectile containing the primer (4) is in the vicinity of a cavity (471c) which is reserved in the breech (47) and which constitutes a chamber for the expansion of the combustion gases which bring about the propulsion of the projectile.

Classifications:

International (IPC 8-9): F41A15/12 F41A21/28 F41A3/64 F41A3/72 F41A9/41 F42B5/10 (Advanced/Invention); F41A15/00 F41A21/00 F41A3/00 F41A9/00 F42B5/00 (Core/Invention)
International (IPC 1-7): F41F3/04 F42B5/10 F42B9/10
CPC: F41A3/64 F41A3/72 F41A9/41 F41A15/12 F41A21/28 F42B5/10
European: F41A15/12 F41A21/28 F41A3/64 F41A3/72 F41A9/41 F42B5/10



Family:

Publication number	Publication date	Application number	Application date
EP0069184 A1	19830112	EP19810430022	19810710

Priority:

EP19810430022 19810710

Probable Assignee: ROSSI PHILIPPE
Assignee(s): (std): MANNARINI AURELE HENRI ; ROSSI PHILIPPE
Inventor(s): (std): MANNARINI AURELE HENRI
Designated states: BE CH DE FR GB IT LI NL SE

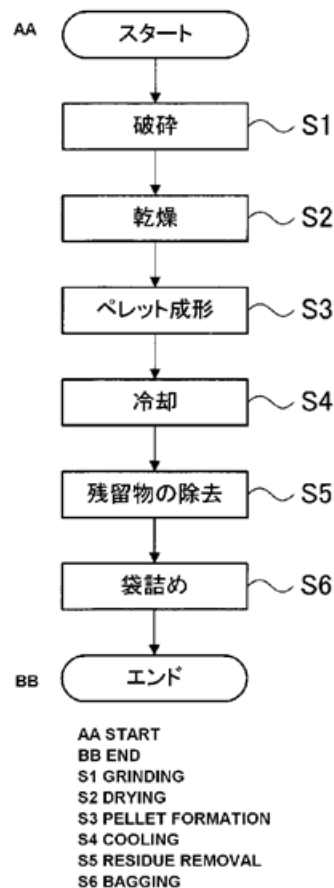
Title: **FUEL PELLETS**

Abstract: It is intended to provide a technique whereby bark, which is relatively inexpensive as a starting material and has not yet been fully utilized as a fuel, and **coffee** extract residue, which is an industrial waste product, can be effectively utilized as a biomass fuel. **Fuel pellets** comprising **coffee** extract residue and bark as the main components. By using the **coffee** extract residue as a fuel, utilization of the **coffee** extract residue, which is an industrial waste product, can be promoted. By processing the **coffee** extract residue together with bark into **fuel pellets**, the **coffee** extract residue is solidified into pellets, which makes it possible to avoid jamming in a dust collector of a burning apparatus such as a boiler. Because of having a high calorific value, the above-described **fuel pellets** are highly valuable as a fuel. Since the **fuel pellets** are burnt at a high temperature, moreover, the amount of ash originating in the bark can be reduced.

Classifications:**International (IPC 8-9):** B09B3/00 C10L5/44

F23K1/00 (Advanced/Invention);

C10L5/40 F23K1/00 (Core/Invention)

CPC: C10L5/363 C10L5/366 C10L5/44 Y02E50/10 Y02E50/30**European:** C10L5/36D C10L5/36H C10L5/44 Y02E50/10 Y02E50/30PatBase - W009054080_A1
[図1]**Family:**

Publication number	Publication date	Application number	Application date
JP2009102468 A2	20090514	JP20070273383	20071022
WO09054080 A1	20090430	WO2007JP72722	20071126

Priority:

JP20070273383 20071022

Probable Assignee: CHIIKI HATTEN KENKYU CT KK**Assignee(s):** (std): OMURA YOICHI ; ONO KEIZO ; ONO SANGYO KK ; CHIIKI HATTEN KENKYU CT KK ; ONOSANGYO KK ; RES INST OF THE REGIONAL DEV**Assignee(s):** KABUSHIKI KAISHA ONOSANGYO ; RESEARCH INSTITUTE OF THE REGIONAL DEVELOPMENT ; CHIIKI HATTEN KENKYU CENTER KK**Inventor(s):** (std): ONO KEIZO ; OMURA YOICHI**Agent(s):** NISHIKI NOBUO ET AL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI 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 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 PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW