

NC2016/0005907

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Search history

Search 1: cane and biofuel (Results 120)

Search 2: 1 and (sludge or mud) (Results 11)

Search 3: cane and paper and (sludge or mud) (Results 117)

Search 4: 3 and (vinass* or waste) (Results 83)

Search 5: 4 and solid and energy (Results 12)

Search 6: PAPER AND (sludge or mud) and waste and (fuel or biofuel or energy) (Results 521)

Search 7: 6 and solid (Results 263)

Search 8: 7 and (organ*) (Results 123)

Search 9: (8) AND IPC=(C10 OR B09 OR F23 OR F02) (Results 75)

Search 10: 9 and cane (Results 6)

Search 11: 7 and (organ* or ligno or lignocellulosic*) (Results 130)

Search 12: 11 and (fuel or cane or waste) (Results 130)

Search 13: 12 and cane (Results 17)

Search 14: 12 and cyclone and dry* (Results 7)

Search 15: 6 and cyclone and dry* (Results 23)

Search 16: (15) AND IPC=(C02 OR C10 OR F23 OR B01 OR A23) (Results 21)

Search 17: 16 AND SUGAR (Results 2)

Search 18: PAPER AND (sludge or mud) and waste and (fuel or biofuel or energy) (Results 7921)

Search 19: 18 and biofuel and sugar and cane (Results 264)

Search 20: 19 and waste (Results 264)

Search 21: 20 and (cyclone or mill) and dry* (Results 152)

Search 22: 21 and (solid or vinass*) (Results 148)

Search 23: 22 and vinas* (Results 9)

Search 24: PN=(US2006217267 OR US2007084385 OR MX2009010748 OR CA2879856 OR US2012283493 OR US4455149 OR US3714038 OR US2014099691 OR US2013236941) (Results 8)

Title: PROCESS AND PRODUCT FOR CONVERTING ORGANIC MATERIALS BY PYROLYSIS OR HYDROGENATION**Abstract:** Source: US3714038A ABSTRACT OF THE DISCLOSURE

A process for chemically changing solid waste materials to obtain valuable organic products therefrom consists of pulping a mixture of organic and inorganic wastes in a liquid such as water to form a slurry, removing inorganics from the slurry, dewatering the resulting slurry of organics and either pyrolyzing or hydrogenating the de-watered slurry. Additionally, if it is desired to sort the organics by types or by specific materials for separate pyrolysis or hydrogenation, this may be done by one or more screening, classifying or separating steps intermediate the pulping and pyrolysis or hydrogenation steps. CROSS-REFERENCE TO RELATED APPLICATION Reference is made to my copending application Ser. No. 94,084, filed Dec. 1, 1970, titled Waste Treatment and Fiber Reclamation System. The inventions disclosed in my above application are concerned primarily with the recovery of reusable paper-making fiber from municipal waste. The present invention is directed to another approach to the conversion of municipal waste into valuable by-products. 35 B

Classifications:

International (IPC 8-9): B01D17/00 B03B9/06 B09B3/00 B22F9/24 C01G7/00 C09C1/62 C09C3/06 C09D11/00 C10B53/00 C10B53/02 C10G1/00 C10J3/00 C10L5/44 C10L5/46 C22B3/26 C22B3/32 C23C24/00 D21B1/02 F23G5/02 (Advanced/Invention);

H05K1/09 (Advanced/Non-invention);

B01D17/00 B03B9/00 B09B3/00 B22F9/16 C01G7/00 C09C1/62 C09C3/06 C09D11/00 C10B53/00 C10G1/00 C10J3/00 C10L5/40 C22B3/00 C23C24/00 D21B1/00 (Core/Invention);

H05K1/09 (Core/Non-invention);

D21B (Subclass/Invention)

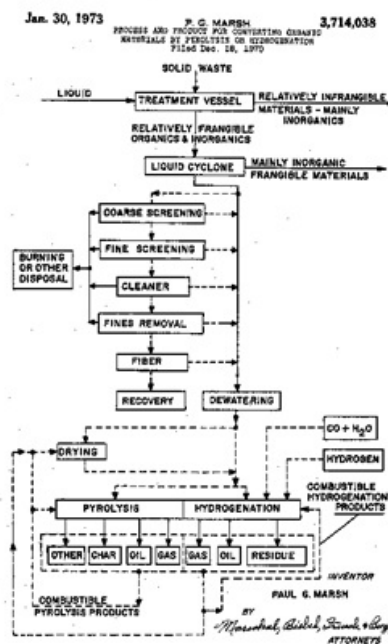
International (IPC 1-7): B01D17/00 B03B7/00 B03B9/00 B03B9/06 B08B7/00 B09B3/00 C02C1/00 C05F9/00 C08H15/00 C09C1/62 C09D5/00 C10L5/00 C10L5/46 C22B11/00 C22B11/04 D01G5/00 D21B1/00 D21B1/08 D21B1/32 D21F1/66 D21F1/68 F23G3/00 F23G5/00 F23G5/02 H05K3/00

CPC: Y10S241/38 Y10S423/18 Y10S75/953 Y10S75/954 D21B1/02 C01G7/003 C22B3/0005 C22B3/0025 D21B1/026 C10J3/66 C10J2300/093 C10J2300/0946 C10J2300/0966 C10J2300/1823 C10B53/00 C10B53/02 C10G1/00 C10G1/002 C10J3/00 Y02E50/14 C10L5/46 B03B9/06 Y02E50/10 Y02E50/30 Y02P10/234 C09C1/62 B22F9/24 B22F2998/00 C01P2004/20 C01P2004/32 C01P2004/61 C01P2004/62 C22B3/0009 C22B3/0032 C22B11/04 H05K1/092 Y02W30/20 Y02W30/521

European: B03B9/06 B22F9/24 C01G7/00B C09C1/62 C10B53/00 C10B53/02 C10G1/00 C10G1/00B C10J3/00 C10L5/46 C22B11/04 C22B3/00D2 C22B3/00D2B2A C22B3/00D2B2G2B C22B3/00D2B4 D21B1/02 D21B1/02E L22F998/00 M01P4/20 M01P4/32 M01P4/61 M01P4/62 T05K1/09D Y02E50/10 Y02E50/14 Y02E50/30

US: 106/29. 106/403 110/220 110/221 110/243 110/346 162/0.4 162/189 162/4 162/55 201/21 209/164 210/5.9 241/15 241/24.2 241/DIG.38 260/1 423/659 423/DIG.18 44/0.1D 44/500 44/503 44/505 44/589 44/605 48/209 521/40 536/56 75/0.0.5A 75/371 75/953 75/954

PatBase - US3714038_A

**Family:**

Publication number	Publication date	Application number	Application date
AU197136148 A1	19730531	AU19710036148	19711125
AU197248441 A1	19740502	AU19720048441	19721102
AU464660 B2	19750818	AU19710036148	19711125
AU472808 B2	19760603	AU19720048441	19721102
BE774757 A	19720502	BE19710774757	19711029
BE774757 A1	19720502	BE19710774757	19711029
BR7108387 A0	19730605	BR19710008387	19711217
CA933114 A1	19730904	CA19710105201	19710212
CA950861 A1	19740709	CA19710105202	19710212
CA950877 A1	19740709	CA19710130388	19711217
CA998238 A1	19761012	CA19720156608	19721116
DE2108829 A1	19711216	DE19712108829	19710225
DE2154093 A1	19730118	DE19712154093	19711029
DE2154093 B1	19730118	DE19712154093	19711029
DE2154093 C2	19760729	DE19712154093	19711029
DE2162436 A1	19720706	DE19712162436	19711216
DE2258341 A1	19730614	DE19722258341	19721129
FI54936 B	19781229	FI19710002823	19711007
FI54936 C	19790410	FI19710002823	19711007
FI59035 B	19810227	FI19710003559	19711214
FI59035 C	19810610	FI19710003559	19711214
FR2080786 A1	19711119	FR19710006529	19710225
FR2080786 B1	19760723	FR19710006529	19710225
FR2119987 A1	19720811	FR19710045600	19711217
FR2119987 B1	19750829	FR19710045600	19711217
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FR2161761 B1	19750718	FR19710039435	19711103
FR2162083 A2	19730713	FR19720042476	19721129
FR2162083 B2	19760820	FR19720042476	19721129
FR2351169 A1	19771209	FR19770004942	19770221
FR2351169 B1	19820709	FR19770004942	19770221
GB1364474 A	19740821	GB19710024356	19710419
GB1376930 A	19741211	GB19710056855	19711207
GB1421343 A	19760114	GB19720055154	19721129

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GB1517687 A	19780712	GB19770010261	19770310
IT1059662 A	19820621	IT19720054313	19721127
IT960016 A	19731120	IT19710054664	19711210
JP48063969 A2	19730905	JP19720118594	19721128
JP51002963 B4	19760130	JP19710009206	19710225
JP52137401 A2	19771116	JP19770024337	19770305
JP56014349 B4	19810403	JP19710101957	19711217
NL7215738 A	19730604	NL19720015738	19721121
SE384632 B	19760517	SE19710012743	19711008
SE384632 C	19760826	SE19710012743	19711008
US3714038 A	19730130	US19700099554	19701218
US3725035 A	19730403	US19710159486	19710702
US3736223 A	19730529	US19700094084	19701201
US3811906 A	19740521	US19730343371	19730321
US3830636 A	19740820	US19710203295	19711130
US4049391 A	19770920	US19760685784	19760513
USRE29156 E	19770322	US19760652756	19760127
ZA7100925 A	19720426	ZA19710000925	19710215

Priority:

AU19710036148 19711125	BE19710110004 19711029	US19700015212 19700227
DE19712154093 19711029	US19700019019 19700312	US19700014431 19700226
US19730343371 19730321	US19740456041 19740401	US19760652756 19760127
US19760685784 19760513	US19710203295 19711130	US19700094084 19701201
US19710159486 19710702	US19700099554 19701218	

Probable Assignee: BLACK CLAWSON FIBRECLAIM INC

Assignee(s): (std): BLACK CLANSON CO ; BLACK CLAWSON CO ; BLACK CLAWSON CO THE ; DU PONT ; BLACK CLAWSON FIBRECLAIM INC ; DU PONT DE NEMOURS AND CY US ; DUPONT DE NEMOURS ; BURATSUKU KUROOSON FUAIBAAKUREIMU INC ; BLACK CLAWSON FIBRECLAIM INC T ; E I DU PONT DE NEMOURS AND CO WILMINGTON DEL V S ; E I DU PONT DE NEMOURS AND CY WILMINGTON DELAWARE ; THE BLACK CLAWSON CO

Assignee(s): THE BLACK CLANSON CO ; E I DU PONT DE NEMOURS AND CY WILMINGTON DELAWARE E U A ; WILLIAM HERBERT ; MARSH PAUL G ; EI DU PONT DE NEMOURS AND CY WILMINGTON DELAWARE EUA ; BLACK CLAWSON FIBRECLAIM INC US ; BLACK CLAWSON FIBRECLAIM INC THE ; E I DU PONT DE NEMOURS AND CO WILMINGTON DEL (V ST A) ; BLACK CLAWSON FIBRECLAIM ; EI DU PONT DE NEMOURS AND CO US ; BLACK CLAWSON FIBRE CLAIM INC ; E I DU PONT DE NEMOURS AND CO US ; BLACK CLAWSON CO US ; BLACK CLAWSON CY ; BLACK CLAWSON FIBERCLAIM INC

Inventor(s): (std): PAUL G MARSH ; PAUL GILBERT MARSH ; POORU JII MAASHIYU ; HERBERT WILLIAM ; SHORT OLIVER ALTON ; MARSH PAUL GILBERT ; MARSH P G ; MARSH P ; HERBERT W ; WEAVER R ; SHORT O ; MARSH PAUL G ; WEAVER RICHARD VROMAN ; WILMINGTON DEL

Inventor(s): WILLIAM HERBERT ; G MARSH PAUL ; WEAVER R US ; MARSH P US ; SHORT O US

Title: PROCESS FOR THE PRODUCTION OF FUEL COMPOSITIONS

Abstract: Source: US4455149A A process for producing a dispersion composition suitable for use as a fuel is described, comprising kneading (a) a bituminous substance, (b) a low molecular weight aliphatic alcohol, and (c) water, a water-containing organic compound, or an aqueous organic compound suspension to provide a dispersion composition wherein the aqueous alcohol solution as a dispersed phase is dispersed in the bituminous substance as a continuous phase. By causing the phase inversion of the thus-obtained w/o type dispersion composition by kneading it along with a protective colloid at 5 DEG C. to 60 DEG C., and o/w type dispersion composition suitable for use as a fuel can be produced.

Classifications:

International (IPC 8-9): C08L101/00 C08L23/00 C08L95/00
C10L1/14 C10L1/32 (Advanced/Invention);

C08L101/00 C08L23/00 C08L95/00 C10L1/10

C10L1/32 (Core/Invention)

International (IPC 1-7): C08L95/00 C10L1/14 C10L1/32

CPC: Y10S516/925 C10L1/328

European: C10L1/32D

US: 110/218 110/238 110/347 252/311.5 252/312 406/47 406/49

44/302 44/51 44/53 44/56 516/22 516/46 516/47 516/925 516/99

SUBSTITUTE

REMPLACEMENT

SECTION is not Present

Cette Section est Absente

Family:

Publication number	Publication date	Application number	Application date
CA1165565 A1	19840417	CA19810383960	19810814
DE3172829 D1	19851212	DE19813172829	19810814
EP0063192 A1	19821027	EP19810303699	19810814
EP0063192 B1	19851106	EP19810303699	19810814
JP1034264 B4	19890718	JP19810058293	19810416
JP1549422 C3	19900309	JP19810058293	19810416
JP57172956 A2	19821025	JP19810058293	19810416
US4455149 A	19840619	US19810292980	19810814

Priority:

CA19810383960 19810814 JP19810058293 19810416

Probable Assignee: COSMO OIL CO LTD

Assignee(s): (std): MARUZEN OIL CO LTD ; NIHON KEMUTETSUKU CONSULTING K ; NIPPON CHEMTEC CONSULTING INC ; SATAKE TAKEO ; COSMO OIL CO LTD

Assignee(s): INOUE YOSHIKAZU ; ISHIGAMI MASAHISA ; ARIMOTO KUNIO ; TAKEO SATAKE NO ; NIPPON KEMUTETSUKU KONSARUTEINGU KK ; NIHON KEMUTETSUKU CONSULTING KK ; TAKEO SATAKE NO 2 1 24 SEKIDO WAKAYAMA SHI WAKAYAMA JAPAN ; TANAKA YUSUKE ; MARUZEN OIL CO LTD NO 3 NAGAHORIBASHISUJI 1 CHOME ; KOSUMO SEKYU KK ; MARUZEN SEKIYU KK ; MARUZEN OIL CO ; MATSUBA YORISHIGE ; KANDA KOHEI

Inventor(s): (std): ARIMOTO KUNIO ; INOUE YOSHIKAZU ; ISHIGAMI MASAHISA ; KANDA KOHEI ; KANDA KOUHEI ; MATSUBA YORISHIGE ; SATAKE TAKEO ; TANAKA JUSUKE ; TANAKA YUSUKE ; TANAKA YUUSUKE ; YUSUKE TANAKA

Agent(s): RICHES MCKENZIE AND HERBERT LLP

Designated states: DE FR GB IT NL

Title: NOVEL PRODUCT FOR AGRICULTURAL USE WHICH IS OBTAINED FROM DISTILLERY SPENT WASH AND SLUDGE

Abstract: Source: US2006217267A The present invention provides a product for agricultural use in the form of granules or pellets, characterised by comprising at least 4 percent (w/w) of vinasses and/or sludge measured as a dry extract of vinasses and/or sludge, and an organic or inorganic solid support. In addition, the present invention provides a procedure for producing said product, its use in agriculture and a method for applying said product to an agricultural extension to be treated.

Classifications:

International (IPC 8-9): A01N63/00 C05D9/00 C05F5/00 (Advanced/Invention);

A01N63/00 C05D9/00 C05F5/00 (Core/Invention);

A01C (Subclass/Invention)

International (IPC 1-7): A01C A01C0/00 C05F5/00

CPC: C10L5/363 C10L5/44 Y02E50/10 C05F5/00 C04B38/0006 C04B2111/00793 C05D9/00 C05F5/008 Y02E50/30

European: C04B38/00B C05D9/00 C05F5/00 C05F5/00H2 C10L5/36D C10L5/44 M04B111/00T50 Y02E50/10 Y02E50/30

US: 424/470 504/116.1 504/117

Family:

Publication number	Publication date	Application number	Application date
AU2003249126 AA	20050214	AU20030249126	20030723
BRPI0412216 A	20060822	BR2004PI12216	20040706
ECSP066272 A	20060728	EC2006SP06272	20060109
ES2291136 AA	20080216	ES20060050004	20040706
ES2291136 BA	20090101	ES20060050004	20040706
IN00058KN2006 A	20081024	IN2006KN00058	20060106
IN239502 B	20100326	IN2006KN00058	20060106
MXPA06000523 A1	20060512	MX2006PA00523	20040706
PE05662005 A1	20050713	PE20040000689	20040720
US2006217267 AA	20060928	US20040565459	20040706
US2009298690 AA	20091203	US20090537153	20090806
US8551915 BB	20131008	US20090537153	20090806
WO05009107 A2	20050203	WO2004ES00322	20040706
WO05009107 A3	20081023	WO2004ES00322	20040706
WO05009923 A1	20050203	WO2003ES00381	20030723

Priority:

US20040565459 20040706 US20060565459 20060120 US20090537153 20090806
WO2003ES00381 20030723 WO2004ES00322 20040706

Probable Assignee: HPD PROCESS ENGINEERING SA

Assignee(s): (std): IRISARRI NAVALPOTRO DANIEL ; IRISARRI NAVALPOTRO DANIEL RAMON ; KIMEL ADITIVOS S L ; HPD PROCESS ENGINEERING S A ; NAVALPOTRO DANIEL IRISARRI

Assignee(s): DANIEL IRISARRI NAVALPOTRO ; HPD PROCESS ENGINEERING SA ; KIMEL ADITIVOS SL

Inventor(s): (std): IRISARRI NAVALPOTRO DANIEL ; IRISARRI NAVALPOTRO DANIEL RAMON ; NAVALPORTO DANIEL IRISARRI ; NAVALPOTRO DANIEL IRISARRI ; DANIEL IRISARRI NAVALPORTO

Inventor(s): DANIEL IRISARRI NAVALPOTRO ; RISARRI NAVALPOTRO DANIEL

Agent(s): FULWIDER PATTON; FULWIDER PATTON LLP

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

Title: METHOD AND DEVICE FOR PELLETIZING UNPROCESSED CELLULOSIC FIBROUS MATERIAL

Abstract: Source: US2007084385A The present invention relates to a method and a device for pelletizing unprocessed cellulosic fibrous material on an industrial scale, and in particular to the use of said unprocessed cellulosic fibrous material pellets as a combustible fuel product.

Classifications:

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

F23G5/02 (Advanced/Invention);

C10L5/40 (Core/Invention)

CPC: B01J2/12 B30B11/201 C10L5/363 C10L5/366 C10L5/44

C10L5/48 F23G5/02 F23G5/04 F23G7/02 F23G2201/101

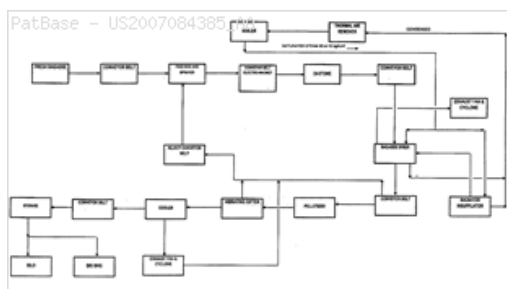
F23G2201/602 F23G2900/50206 Y02E20/12 Y02E50/10 Y02E50/30

European: B01J2/12 B30B11/20B C10L5/36D C10L5/36H C10L5/44

C10L5/48 F23G5/02 F23G5/04 F23G7/02 R23G201/101 R23G201/602

R23G900/50206 Y02E20/12 Y02E50/10 Y02E50/30

US: 110/219 44/550 44/550S 44/629 44/629S



Family:

Publication number	Publication date	Application number	Application date
EP1770152 A1	20070404	EP20050021213	20050928
US2007084385 AA	20070419	US20060540875	20060928
WO07039233 A1	20070412	WO2006EP09453	20060928

Priority:

EP20050021213 20050928

US20050721358P 20050928

US20060540875 20060928

Probable Assignee: CARGILL INC

Assignee(s): (std): CARGILL INC ; CURRAN MICHAEL ; LANA PEDRO L ; LANA PEDRO LUDOVICO

Inventor(s): (std): CURRAN MICHAEL ; LANA PEDRO L ; LANA PEDRO LUDOVICO

Inventor(s): LANA PEDRO

Agent(s): SALIWANCHIK LLOYD AND SALIWANCHIK, A PROFESSIONAL ASSOCIATION; SALIWANCHIK LLOYD AND SALIWANCHIK A PROFESSIONAL ASSOCIATION

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR 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 MG MK ML MN MR 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 YU ZA ZM ZW

Title: MULTIPRODUCT BIOREFINERY FOR SYNTHESIS OF FUEL COMPONENTS AND CHEMICALS FROM LIGNOCELLULOSICS VIA LEVULINATE CONDENSATIONS

Abstract: Source: US2010312028A An integrated method for production of liquid transportation fuels, fuel additives, or chemicals in a biorefinery by the conversion of cellulosic materials is disclosed herein. The method is based on converting a source of C6 sugar such as cellulosic materials and sugars into a mixture of hydrotreated compounds. The biorefinery operates in a unique parallel-processing mode, wherein the initial biomass feedstocks are disassembled to provide substrates for parallel branches whose products may be reassembled in either a condensation step or a mixed hydrotreating step or a final fuel-blending step. The cellulosic materials can be converted to levulinate intermediates that condense with intermediates derived from other processes to produce fuels with the appropriate range of sizes in the target molecular composition, thus generating desirable combustion and physical properties. This method also makes use of methyltetrahydrofuran and other low carbon by-products that are separated for use as amphiphilic solvents. In an embodiment, the method produces cyclic ethers via mild hydrotreating of the condensation products, or long-chain keto ester, useful for plasticizers, by condensing a portion of the levulinate with a reagent containing an unsaturated group. In another embodiment, the method produces a ketal by converting a portion of the condensation product in an acid-catalyzed reaction with a diol.

Classifications:

International (IPC 8-9): C07C1/22 C07C1/32 C10G3/00

C10L1/02 (Advanced/Invention)

CPC: C10G3/44 C10G2300/1011 C10G2400/02 C10L1/04 C10G3/42

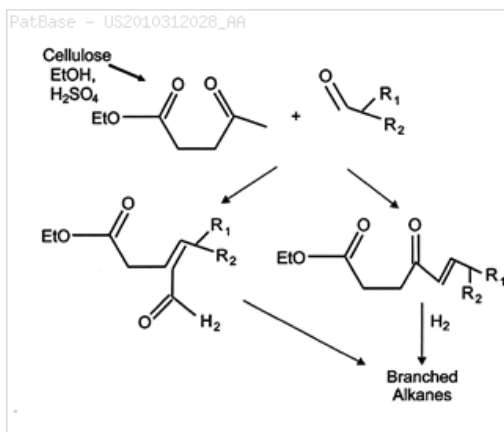
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C10G2300/1096 C10G2400/18 C10G2300/1003 Y02P30/20

European: C10G3/00 C10L1/08 M10G300/10B

US: 585/240 585/240S 585/242 585/242P 585/250 585/310

585/310S 585/317 585/331



Family:

Publication number	Publication date	Application number	Application date
CA2759224 AA	20101209	CA20102759224	20100607
CN102449118 A	20120509	CN201080024135	20100607
EP2438144 A2	20120411	EP20100784233	20100607
EP2438144 A4	20130220	EP20100784233	20100607
US2010312028 AA	20101209	US20100795479	20100607
US2012283493 AA	20121108	US20120413881	20120307
WO10141950 A2	20101209	WO2010US37638	20100607
WO10141950 A3	20110324	WO2010US37638	20100607

Priority:

US20090184456P 20090605 US20100795479 20100607 WO2010US37638 20100607
US20120413881 20120307

Probable Assignee: ENERGY AND ENVIROMENTAL RESEARCH CENTER FOUNDATION

Assignee(s): (std): ENERGY AND ENVIRON RES CT FOUND ; ENERGY AND ENVIRONMENTAL RES CT FOUNDATION ; OLSON EDWIN S ; HEIDE CARSTEN

Assignee(s): ENERGY AND ENVIROMENTAL RESEARCH CENTER FOUNDATION ; ENERGY AND ENVIRONMENTAL RESEARCH CENTER FOUNDATIO ; ENERGY AND ENVIRONMENTAL RESEARCH CENTER FOUNDATION

Inventor(s): (std): CARSTEN HEIDE ; HEIDE CARSTEN ; OLSON EDWIN S

Agent(s): ROBIC; KUHNEN AND WACKER; MERCHANT AND GOULD PC; DALEY DENNIS R

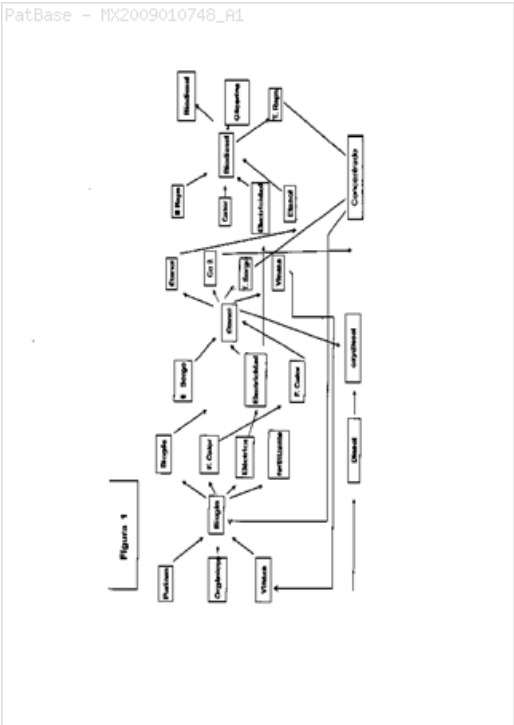
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY 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: INTEGRATED ENERGETIC SYSTEM AND BIO-REFINERY.

Abstract: DESCRIBED IS THE RELATIONSHIP OCCURRED BETWEEN THE ROW MATERIALS AND THE DIFFERENT INDUSTRIAL PLANTS. - BIOGAS PLANT: INCLUDES THE FOLLOWING ROW MATERIALS; 1 PURINES, 2 VINASSES (RESULTING FROM THE ETHANOL PLANT) AND 3 ORGANIC WASTES (LIQUID AND SOLID). ON THE OTHER HAND, THIS PLANT GENERATES THE FOLLOWING: 1. ELECTRIC POWER (USED IN THE ETHANOL AND BIODIESEL PLANTS), 2. A HEAT SOURCE (TRANSPORTED TO THE SILOS AND WAREHOUSES WHERE THE ROW MATERIAL OF THE ETHANOL AND BIODIESEL PLANTS ARE RECEIVED), 3. BIO-FERTILIZERS WHICH MAY BE SELL IN A DIRECT FORM OR MAY BE REFINED FOR WHICH A CALCAREOUS SOURCE MAY BE

Classifications:

International (IPC 8-9): H02P31/00 (Core/Invention)



Family:

Publication number	Publication date	Application number	Application date
MX2009010748 A1	20110504	MX20090010748	20091002

Priority:

MX20090010748 20091002

Probable Assignee: SALAZAR CRISTIAN AUGUSTO ROMERO

Assignee(s): (std): SALAZAR CRISTIAN AUGUSTO ROMERO

Assignee(s): CRISTIAN AUGUSTO ROMERO SALAZAR

Inventor(s): (std): SALAZAR CRISTIAN AUGUSTO ROMERO

Inventor(s): CRISTIAN AUGUSTO ROMERO SALAZAR

Title: PROCESS FOR PRODUCING LIQUID HYDROCARBON

Abstract: Source: US2014099691A The invention relates to a continuous process for converting carbonaceous material contained in one or more feedstocks into a liquid hydrocarbon product, said feedstocks including the carbonaceous material being in a feed mixture including one or more fluids, said fluids including water and further liquid organic compounds at least partly produced by the process in a concentration of at least 1 percent by weight, where the process comprises converting at least part of the carbonaceous material by pressurising the feed mixture to a pressure in the range 50-400 bar, heating the feed mixture to a temperature in the range 250-500 degrees centigrade, and maintaining said pressurized and heated feed mixture in the desired pressure and temperature ranges in a reaction zone for a predefined time; cooling the feed mixture to a temperature in the range 25-200 degrees centigrade and expanding the feed mixture to a pressure in the range of 1-70 bar, thereby causing the carbonaceous material to be converted to a liquid hydrocarbon product; separating a fraction comprising liquid hydrocarbon product, and leaving a residual fraction; feeding said residual fraction into a bioreactor for the production of biomass such as algae and/or bacteria such as cyano bacteria.

Classifications:

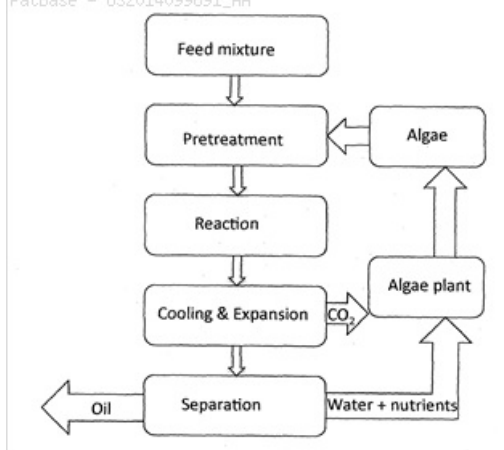
International (IPC 8-9): C10G1/00 C10G1/02 C10G1/04 C10G1/06 C10G1/10 C12M1/00 C12N1/12 C12P5/02 (Advanced/Invention); C10G1/00 C10G1/02 (Core/Invention)

CPC: C12M43/02 C10G1/042 C12P5/02 C10G1/047 C10G1/02 C10G1/04 C10G1/065 C10G1/10 C10G2300/1003 C10G2300/1014 C10G2300/4018 Y02P30/20 C10G1/00

European: C10G1/02 C10G1/06B C10G1/10

US: 196/98 208/400 208/431 422/187 435/166 435/252.1 435/257.1 435/289.1 585/240

PatBase - US2014099691_AA

**Family:**

Publication number	Publication date	Application number	Application date
AU2012266925 AA	20121213	AU20120266925	20120611
AU2012266925 BB	20170803	AU20120266925	20120611
AU2012266925 CA	20171102	AU20120266925	20120611
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AU2017245471 AA	20171102	AU20170245471	20171013
AU2017245473 AA	20171102	AU20170245473	20171013
BR112013031797 A2	20161220	BR20131131797	20120611
BR112013031803 A2	20170131	BR20131131803	20120611
CA2807887 AA	20130208	CA20122807887	20120611
CA2807887 C	20150421	CA20122807887	20120611
CA2838863 AA	20131210	CA20122838863	20120611
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EP2718402 A2	20140416	EP20120732772	20120611
EP2718403 A2	20140416	EP20120732774	20120611
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RU2610988 C2	20170217	RU20130153488	20120611
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US2014124413 AA	20140508	US20120125170	20120611
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US9777223 BB	20171003	US20120125181	20120611
US9822310 BB	20171121	US20120125188	20120611
WO12167789 A2	20121213	WO2012DK00066	20120611
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Priority:

AU20110902293	20110610	AU20120266925	20120611	AU20120266926	20120611
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WO2012DK00070	20120611				

Probable Assignee: STEEPER ENERGY APS

Assignee(s): (std): IVERSEN STEEN BRUMMERSTEDT ; STEEPER ENERGY APS ; STIPER ENERDZHI APS

Inventor(s): (std): IVERSEN STEEN BRUMMERSTEDT ; STEEN BRUMMERSTEDT IVERSEN ; IVERSEN STEN BRUMMERSHEDT ; IVERSEN STEEN B

Inventor(s): STEEN B IVERSEN

Agent(s): PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; MBM INTELLECTUAL PROPERTY LAW LLP; MARGARITA CASTELLANOS ABONDANO; ROERBOEL LEIF; BIRCH STEWART KOLASCH AND BIRCH LLP; CHRISTENSEN MIKAEL T

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 QA RO RS RU RW 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: INTEGRATED BIOREFINERY

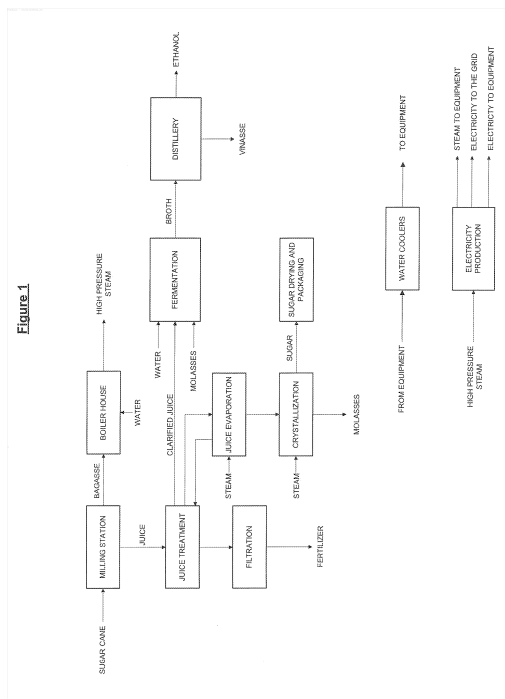
Abstract: Source: US2013236941A Systems and methods for producing bioproducts are shown. The systems and methods herein can be configured and used in an integrated biorefinery. The integrated biorefinery may comprise a sugar production facility such as a sugar mill, a production facility for one or more bioproduct(s) such as butanol, and optionally an ethanol production facility employing the system and method.

Classifications:

International (IPC 8-9): C12M1/00 C12N1/16 C12N1/20 C12P7/10 C12P7/14 C12P7/16 C12P7/28 (Advanced/Invention); C12R1/145 (Advanced/Non-invention)

CPC: C12M45/00 C12M45/20 C12P7/16 C12P7/28 C12P7/10 C12N1/20 C12M21/12 C12M43/02 C12P2203/00 Y02E50/16 Y02E50/10 C12N1/14 C12P7/14 C12M23/42 C12M33/00 C12M45/06

US: 435/150 435/160 435/165 435/253.6 435/289.1



Family:

Publication number	Publication date	Application number	Application date
AR090319 AA	20141105	AR2013P100799	20130312
US2013236941 AA	20130912	US20130794741	20130311
WO13138255 A1	20130919	WO2013US30296	20130311

Priority:

US20120609935P 20120312 US20120619532P 20120403 US20130794741 20130311

Probable Assignee: TALFRY SA

Assignee(s): (std): COBALT TECHNOLOGIES INC

Assignee(s): TALFRY SA

Inventor(s): (std): ANDREW D MEYER ; ANTHONY F CANN ; BRANDON T OLSON ; BURNS GUYDISH STACY M ; CANN ANTHONY F ; DALAL DHRUTI ; DAVID C WALTHER ; DHRUTI DALAL ; FRY LAWRENCE W ; HERSHKOWITZ MICHAEL S ; ISHMAEL M SONICO ; LAWRENCE W FRY ; MCDONALD WILLIAM F ; MEYER ANDREW D ; MICHAEL S HERSHKOWITZ ; NAVA SALGADO VICTOR O ; OLSON BRANDON T ; SONICO ISHMAEL M ; STACY M BURNS GUYDISH ; VICTOR O NAVA SALGADO ; WALTHER DAVID C ; WILLIAM F MDONALD ; YONGMING ZHU ; ZHU YONGMING

Agent(s): WILSON SONSINI GOODRICH AND ROSATI 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 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 RA RO RS RU RW 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