

Base : FAMPAT

SEARCH STRATEGY

SS Results

12	92	10 AND 11
11	1851334	(FILLER)/TI/AB/CLMS/DESC/ODES/OBJ/ICLM/KEYW/TX
10	357	8 AND 9
9	5084536	(LATEX OR RUBBER OR CAOUTCHOUC)/TI/AB/CLMS/DESC/ODES/OBJ/ICLM/KEYW/TX
8	1042	1 AND 2 AND 4
7	25499	((LATEX 1D FILLER) OR (RUBBER 1D FILLER) OR (CAOUTCHOUC 1D FILLER))/TI/AB/CLMS/DESC/ODES/OBJ/ICLM/KEYW/TX
6	1042	4 AND 1 AND 2
5	0	1 AND 2 AND 3 AND 4
4	58033313	PD <= 2018-06-01
3	1453	(LATEX 1D FILLER)/TI/AB/CLMS/DESC/ODES/OBJ/ICLM/KEYW/TX
2	13759	((COFFEE 1D RESIDUE) OR (COFFEE 1D (BEAN 1D RESIDUE)) OR (COFFEE 1D HUSK) OR (COFFEE 1D PEEL) OR (COFFEE 1D (BEAN 1D SKIN)) OR (COFFEE 1D GROUNDS))/TI/AB/CLMS/DESC/ODES/OBJ/ICLM/KEYW/TX
1	1455089	((((ACETIC 1D ACID) 1D ANHYDRIDE) OR (ACETIC 1D ACID) OR (FORMIC 1D ACID) OR (PROPANOIC 1D ACID) OR ACETYLAT+)/TI/AB/CLMS/DESC/ODES/OBJ/ICLM/KEYW/TX

Search strategy

Query

(((ACETIC 1D ACID) 1D ANHYDRIDE) OR (ACETIC 1D ACID) OR (FORMIC 1D ACID) OR (PROPANOIC 1D ACID) OR ACETYLAT+)/TI/AB/CLMS/DESC/ODES/OBJ/ICLM/KEYW/TX

((COFFEE 1D RESIDUE) OR (COFFEE 1D (BEAN 1D RESIDUE)) OR (COFFEE 1D HUSK) OR (COFFEE 1D PEEL) OR (COFFEE 1D (BEAN 1D SKIN)) OR (COFFEE 1D GROUND)))/TI/AB/CLMS/DESC/ODES/OBJ/ICLM/KEYW/TX

PD <= 2018-06-01

1 AND 2 AND 3

(LATEX OR RUBBER OR CAOUTCHOUC)/TI/AB/CLMS/DESC/ODES/OBJ/ICLM/KEYW/TX

4 AND 5

(FILLER)/TI/AB/CLMS/DESC/ODES/OBJ/ICLM/KEYW/TX

6 AND 7

20 Documents

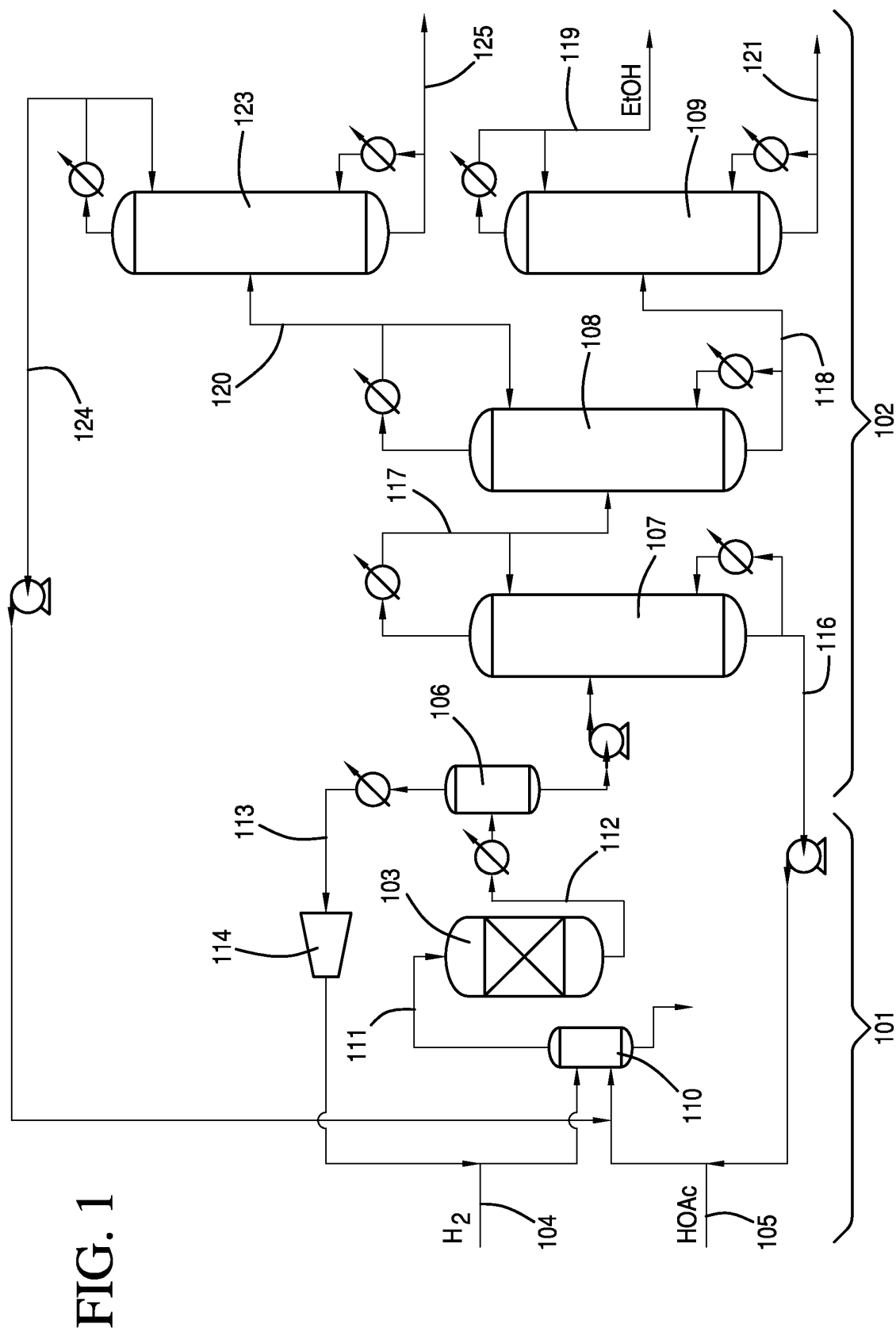
Publication numbers	Title	Current assignees
US20110190552 A1	Process for purifying ethanol	CELANESE INTERNATIONAL
WO201206236 A1	Reduced energy alcohol separation process	CELANESE INTERNATIONAL
JP05277460 A	Coffee residue composition	UNICAFE
US20110185628 A1	Processes for producing alcohols from a mixed acid feed	CELANESE INTERNATIONAL
IL--33112 A	Soil conditioner and garden mold on the basis of coffee extraction residue	EVONIK INDUSTRIES
WO2012173646 A1	Distillation of crude alcohol product using entrainer	CELANESE INTERNATIONAL
JP2009292906 A	Thermoplastic polyester resin composition	TEIJIN FIBERS
WO2012148459 A1	Process for removing water from ethanol mixtures	CELANESE INTERNATIONAL
JP2009292887 A	Thermoplastic polyester resin composition	TEIJIN FIBERS
CA2978629 A1	Biodegradable polymer-based biocomposites with tailored properties and method of making those	UNIVERSITY OF GUELPH
WO2010114648 A1	Hybrid dispersions and methods for producing the same	DOW GLOBAL TECHNOLOGIES
BR200701536 A1	Stabilized enzyme compositions	INTERCONTINENTAL GREAT BRANDS
JP2010006852 A	Thermoplastic polyester resin composition	TEIJIN FIBERS
JP2002327124 A	Thermoplastic resin composition and method for producing the same	MITSUBISHI RAYON
JP2009298660 A	Method for producing molding, repairing method using the method, and flame retardancy imparting material containing powder of the molding	HI VAN
TW201336595 A	Thermoplastic starch composition derived from agricultural waste	TEXCHEM POLYMERS
WO200263972 A2	Coffee compositions with stable flavor characteristics and method of making	KNUDSEN JEANNETTE L, ...
KR20170043024 A	Biodegradable soft bio material composition which rapidly become low molecular substance by containing double bond and extruded product thereof	BIOPOLYMER
WO200684236 A1	A composition and method for making a proppant	OXANE MATERIALS
US20090151717 A1	Aerosol devices and methods for inhaling a substance and uses thereof	JUUL LABS

Family 1/20 - FAMPAT - ©Questel

Title

(EP2601162)

Process for purifying ethanol

Images

Publication data including kind & date

[US20110190552](#)

A1 2011-08-04

US20110190552

[US20110190551](#)

A1 2011-08-04

US20110190551



US20110190548	A1	2011-08-04	US20110190548				
WO2011097223	A2	2011-08-11	WO201197223				
WO2011097222	A2	2011-08-11	WO201197222				
WO2011097208	A2	2011-08-11	WO201197208				
WO2011097189	A2	2011-08-11	WO201197189				
CA2787450	A1	2011-08-11	CA2787450				
CA2787417	A1	2011-08-11	CA2787417				
CA2787402	A1	2011-08-11	CA2787402				
WO2011097222	A3	2011-10-06	WO201197222				
US20110257442	A1	2011-10-20	US20110257442				
TW201136876	A	2011-11-01	TW201136876				
TW201136875	A	2011-11-01	TW201136875				
WO2011097223	A3	2011-11-03	WO201197223				
WO2011097189	A3	2011-11-03	WO201197189				
WO2011140477	A2	2011-11-10	WO2011140477				
US20110275865	A1	2011-11-10	US20110275865				
TW201139348	A	2011-11-16	TW201139348				
WO2011097208	A3	2011-11-17	WO201197208				
TW201204695	A	2012-02-01	TW201204695				
WO2012018961	A2	2012-02-09	WO201218961				
US20120035400	A1	2012-02-09	US20120035400				
WO2011140477	A3	2012-03-01	WO2011140477				
TW201213283	A	2012-04-01	TW201213283				
CN102413921	A	2012-04-11	CN102413921				
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CN102421732	A	2012-04-18	CN102421732				
CN102421731	A	2012-04-18	CN102421731				
AU2011213125	A1	2012-08-02	AU2011213125				
AU2011213062	A1	2012-08-02	AU2011213062				
AU2011213047	A1	2012-08-02	AU2011213047				
WO2012018961	A3	2012-08-09	WO201218961				
MX2012008938	A	2012-08-15	MX2012008938				
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SG182638	A1	2012-08-30	SG-182638				
SG182609	A1	2012-08-30	SG-182609				
KR20120115563	A	2012-10-18	KR20120115563				
IL221223	A	2012-10-31	IL-221223				
US8304586	B2	2012-11-06	US8304586				
CN102781895	A	2012-11-14	CN102781895				
CO6561810	A2	2012-11-15	CO6561810				
BR112012019035	A1	2012-12-11	BR112012019035				
EP2531478	A2	2012-12-12	EP2531478				
EP2531472	A2	2012-12-12	EP2531472				
EP2531468	A2	2012-12-12	EP2531468				
EP2531292	A2	2012-12-12	EP2531292				
US20120323048	A1	2012-12-20	US20120323048				

US8344186	B2	2013-01-01	US8344186				
CN102850184	A	2013-01-02	CN102850184				
AR082942	A1	2013-01-23	AR--82942				
CN102918013	A	2013-02-06	CN102918013				
US20130046113	A1	2013-02-21	US20130046113				
IN1763/KOLNP/2012	A	2013-03-01	IN2012KN01763				
IN1742/KOLNP/2012	A	2013-03-08	IN2012KN01742				
EP2566837	A2	2013-03-13	EP2566837				
US8426652	B2	2013-04-23	US8426652				
JP2013518821	A	2013-05-23	JP2013518821				
EP2601162	A2	2013-06-12	EP2601162				
BR112012019367	A1	2013-06-18	BR112012019367				
BR112012019310	A1	2013-06-18	BR112012019310				
ZA201205234	B	2013-09-25	ZA201205234				
US8552226	B2	2013-10-08	US8552226				
US8552225	B2	2013-10-08	US8552225				
US20140058139	A1	2014-02-27	US20140058139				
RU2012137191	A	2014-03-10	RU2012137191				
US8680343	B2	2014-03-25	US8680343				
US8704014	B2	2014-04-22	US8704014				
US8754267	B2	2014-06-17	US8754267				
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NZ601371	A	2014-07-25	NZ-601371				
CN102421731	B	2014-10-08	CN102421731B				
HK1169647	A1	2014-10-10	HK1169647				
CN102918013	B	2014-12-24	CN102918013B				
CN102850184	B	2015-01-28	CN102850184B				
US9073814	B2	2015-07-07	US9073814				
JP5792200	B2	2015-08-14	JP5792200				
CN102781895	B	2015-11-25	CN102781895B				
RU2571425	C2	2015-12-20	RU2571425				
EP2531468	B1	2016-05-11	EP2531468				
CN102413921	B	2016-05-18	CN102413921B				
CN105837404	A	2016-08-10	CN105837404				
IN1791/KOLNP/2012	A	2016-08-26	IN2012KN01791				
BR112012019035	A2	2016-09-13	BR112012019035				
BR112012019367	A2	2018-05-08	BR112012019367				
BR112012019310	A2	2018-05-08	BR112012019310				

Abstract

(EP2601162)

In one embodiment, the invention is to a process for producing ethanol. The process comprises the step of hydrogenating an **acetic** acid feed stream in a first reactor to form a crude ethanol product. The crude ethanol product may comprise, among other components, ethanol, acetaldehyde, and residual **acetic** acid. The process further comprises the step of recovering acetaldehyde from the crude ethanol product. The process further comprises the steps of feeding a first portion of the recovered acetaldehyde to the first reactor and reacting the first portion of the recovered acetaldehyde in the first reactor to form additional ethanol. In addition, the inventive process may comprise the steps of feeding a second portion of the recovered acetaldehyde to a second reactor and reacting the second portion of the recovered acetaldehyde in the

second reactor to form an additional product.

Inventors

SARAGER LINCOLN

WARNER R JAY

WEINER HEIKO

CHAPMAN JOSEFINA

CUNNINGHAM ROBERT

GRUSENDORF GERALD

HALE TRINITY

WOLLRAB RADMILA

JOHNSTON VICTOR J

PAN TIANSHU

Latest standardized assignees - inventors removed

CELANESE INTERNATIONAL

Family 2/20 - FAMPAT - ©Questel

Title

(EP2590927)

Reduced energy alcohol separation process

Images

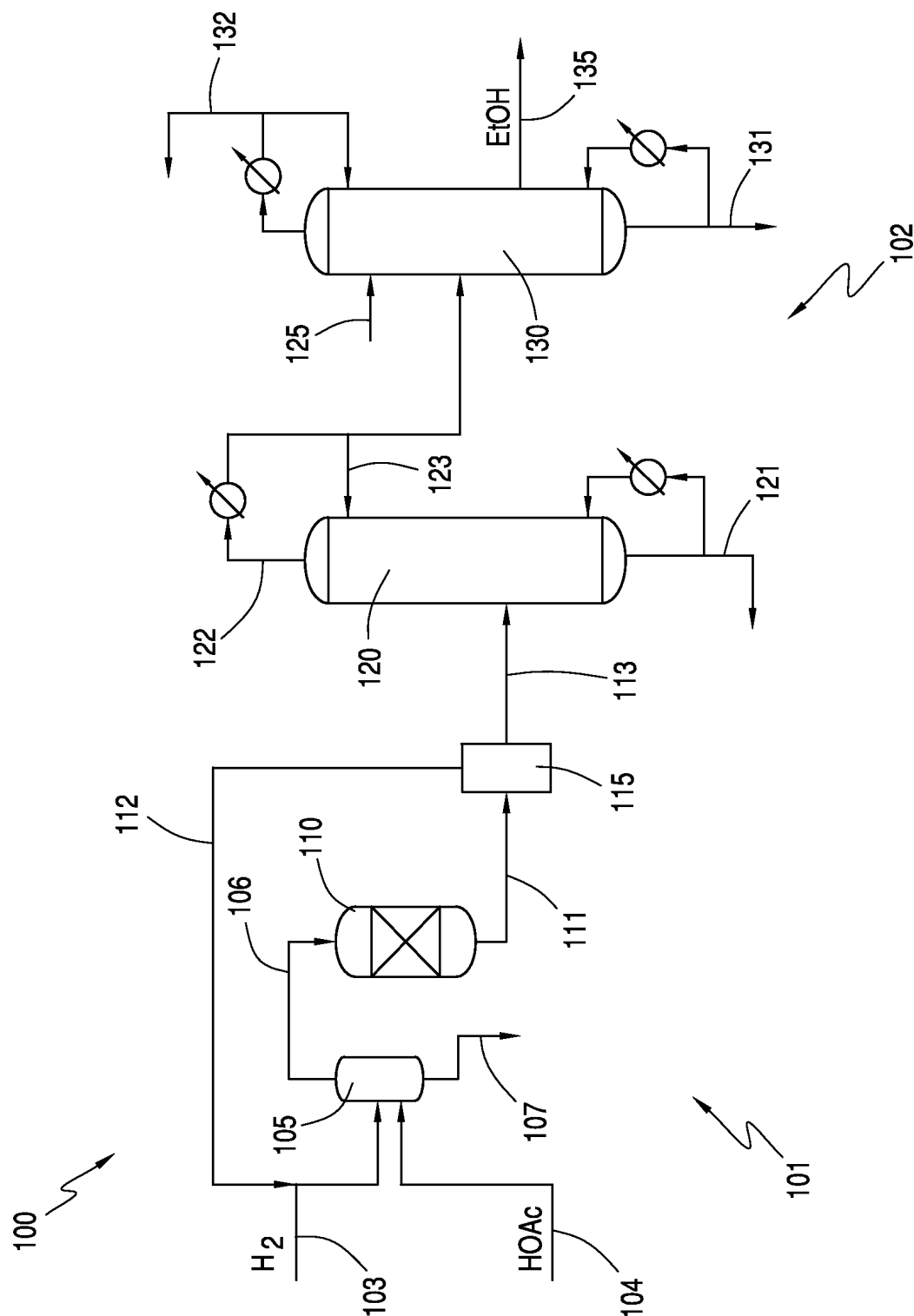


FIG. 1A

Publication data including kind & date

WO2012006236	A1	2012-01-12	WO201206236
WO2012006228	A1	2012-01-12	WO201206228
CA2800299	A1	2012-01-12	CA2800299
US20120010447	A1	2012-01-12	US20120010447
US20120010438	A1	2012-01-12	US20120010438
TW201204694	A	2012-02-01	TW201204694
TW201206870	A	2012-02-16	TW201206870
US20120245395	A1	2012-09-27	US20120245395
US20120245396	A1	2012-09-27	US20120245396
AU2011276358	A1	2012-11-15	AU2011276358



AR082199	A1	2012-11-21	AR--82199				
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SG186699	A1	2013-02-28	SG-186699				
CN102958883	A	2013-03-06	CN102958883				
CN103003225	A	2013-03-27	CN103003225				
BR112012032411	A1	2013-04-24	BR112012032411				
EP2590927	A1	2013-05-15	EP2590927				
EP2590926	A1	2013-05-15	EP2590926				
IN3321/KOLNP/2012	A	2013-06-28	IN2012KN03321				
US8536384	B2	2013-09-17	US8536384				
US8710280	B2	2014-04-29	US8710280				
AU2011276358	B2	2014-07-24	AU2011276358				
US8884080	B2	2014-11-11	US8884080				
CN103003225	B	2015-06-03	CN103003225B				
CN102958883	B	2015-07-01	CN102958883B				
US9126125	B2	2015-09-08	US9126125				
BR112012032411	A2	2016-11-08	BR112012032411				

Abstract

(EP2590927)

Recovery of alcohols, in particular ethanol, from a crude ethanol product obtained from the hydrogenation of **acetic** acid using a reduced energy process. The crude ethanol product may be fed to a distillation column in which a substantial portion of the water is removed with the **acetic** acid in the residue. The ethanol product is obtained from the distillate.

Inventors

LEE DAVID

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Latest standardized assignees - inventors removed

CELANESE INTERNATIONAL

Family 3/20 - FAMPAT - ©Questel

Title

(JP05277460)

Coffee residue composition**Publication data including kind & date**

JPH05277460 A 1993-10-26 JP05277460

**Abstract**

(JP05277460)

PURPOSE: To use **coffee** residue not only as a floor material, a building material or the cabinet of an electric appliance but also as an extender or a mixing agent by compounding a polymer with the residue left by extracting a **coffee** solution from roasted **coffee** particles or the mixture based on the **coffee** residue. CONSTITUTION: A **coffee** residue compsn. is formed by compounding a polymer with the residue obtained by extracting a **coffee** solution from roasted **coffee** particles or the compsn. based on the **coffee** residue. As this polynaer, a synthetic polymer, a natural polymer or a semi-synthetic polymeric compd. having a property capable bonding the residue at room temp. or high temp. may be used and, generally, a

synthetic polymer is pref. This **coffee** residue is a substance excellent in heat insulating properties, putrefactive properties and insect damage control properties and having a peculiar property as a malodor masking agent. The compsn. obtained from the **coffee** residue and the polymer can be molded into a plate shape or various shapes by various molding methods used in the **rubber** or plastic industry.

Inventors

SAEKI KAZUHIKO

NISHIBAYASHI WATARU

Mikio Kono

Latest standardized assignees - inventors removed

UNICAFE

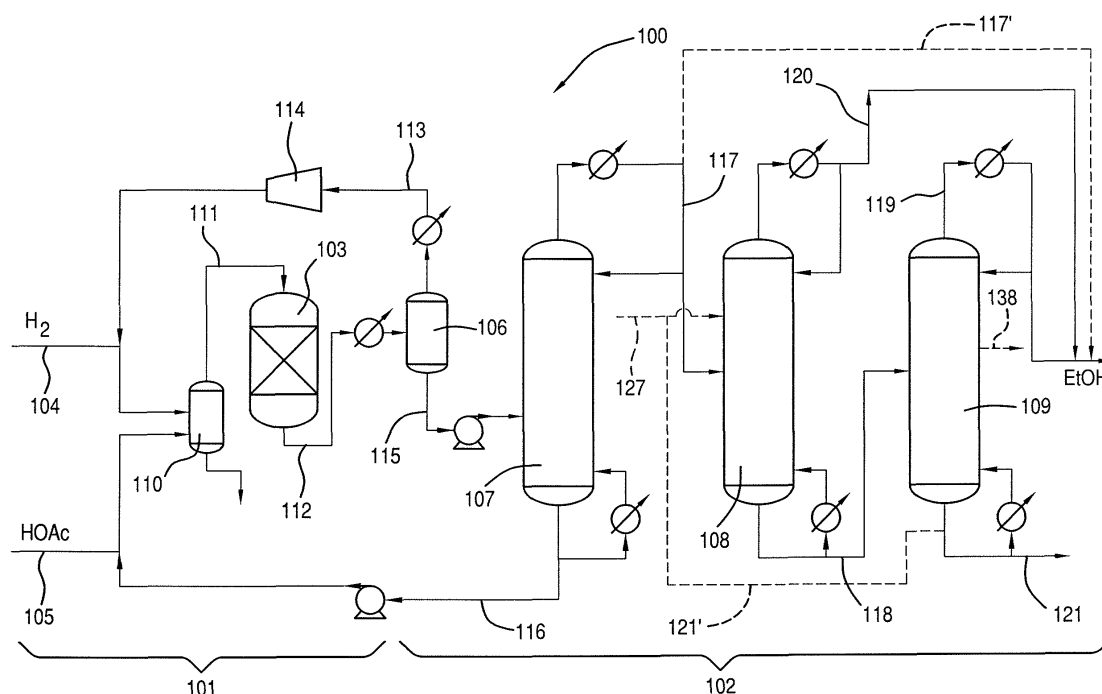
Family 4/20 - FAMPAT - ©Questel

Title

(EP2619163)

Processes for producing alcohols from a mixed acid feed

Images



Publication data including kind & date

US20110185628	A1	2011-08-04	US20110185628
WO2011097217	A2	2011-08-11	WO2011097217
CA2787786	A1	2011-08-11	CA2787786
TW201132619	A	2011-10-01	TW201132619
WO2011097217	A3	2011-11-03	WO2011097217
US20120030995	A1	2012-02-09	US20120030995
US20120036769	A1	2012-02-16	US20120036769
WO2012039841	A1	2012-03-29	WO2012039841
WO2012039839	A1	2012-03-29	WO2012039839
WO2012039840	A2	2012-03-29	WO2012039840
TW201213284	A	2012-04-01	TW201213284
TW201213282	A	2012-04-01	TW201213282
CN102421734	A	2012-04-18	CN102421734
TW201226373	A	2012-07-01	TW201226373



AU2011213056	A1	2012-08-02	AU2011213056				
WO2012039840	A9	2012-08-09	WO201239840				
MX2012008935	A	2012-08-15	MX2012008935				
SG182694	A1	2012-08-30	SG-182694				
WO2012039840	A3	2012-09-27	WO201239840				
IL221220	A	2012-10-31	IL-221220				
CN102781896	A	2012-11-14	CN102781896				
KR20120130765	A	2012-12-03	KR20120130765				
EP2531476	A2	2012-12-12	EP2531476				
AR082569	A1	2012-12-19	AR--82569				
AR082567	A1	2012-12-19	AR--82567				
CN102869638	A	2013-01-09	CN102869638				
CO6602151	A2	2013-01-18	CO6602151				
JP2013518819	A	2013-05-23	JP2013518819				
CN103153930	A	2013-06-12	CN103153930				
BR112012019360	A1	2013-06-18	BR112012019360				
EP2619161	A1	2013-07-31	EP2619161				
EP2619163	A2	2013-07-31	EP2619163				
RU2012137254	A	2014-03-10	RU2012137254				
NZ601367	A	2014-07-25	NZ-601367				
US8858659	B2	2014-10-14	US8858659				
US8932372	B2	2015-01-13	US8932372				
CN102421734	B	2015-11-25	CN102421734B				
IN1792/KOLNP/2012	A	2016-08-26	IN2012KN01792				
BR112012019360	A2	2018-05-08	BR112012019360				

Abstract

(EP2619163)

Processes for producing alcohols such as ethanol and propanol from a mixed acid feedstock. In one embodiment, the process comprises the steps of hydrogenating a mixed acid feedstock comprising **acetic** acid and one or more higher acids, preferably comprising propionic acid, in the presence of a catalyst to form a crude alcohol product comprising ethanol and one or more higher alcohols, preferably including propanol.

Inventors

JOHNSTON VICTOR J

WARNER R JAY

WEINER HEIKO

HALE TRINITY

WOLLRAB RADMILA

Latest standardized assignees - inventors removed

CELANESE INTERNATIONAL

Family 5/20 - FAMPAT - ©Questel

Title

(US3640696)

Soil conditioner and garden mold on the basis of **coffee** extraction residue**Images**

SHEET 1 OF 2

Fig. 1

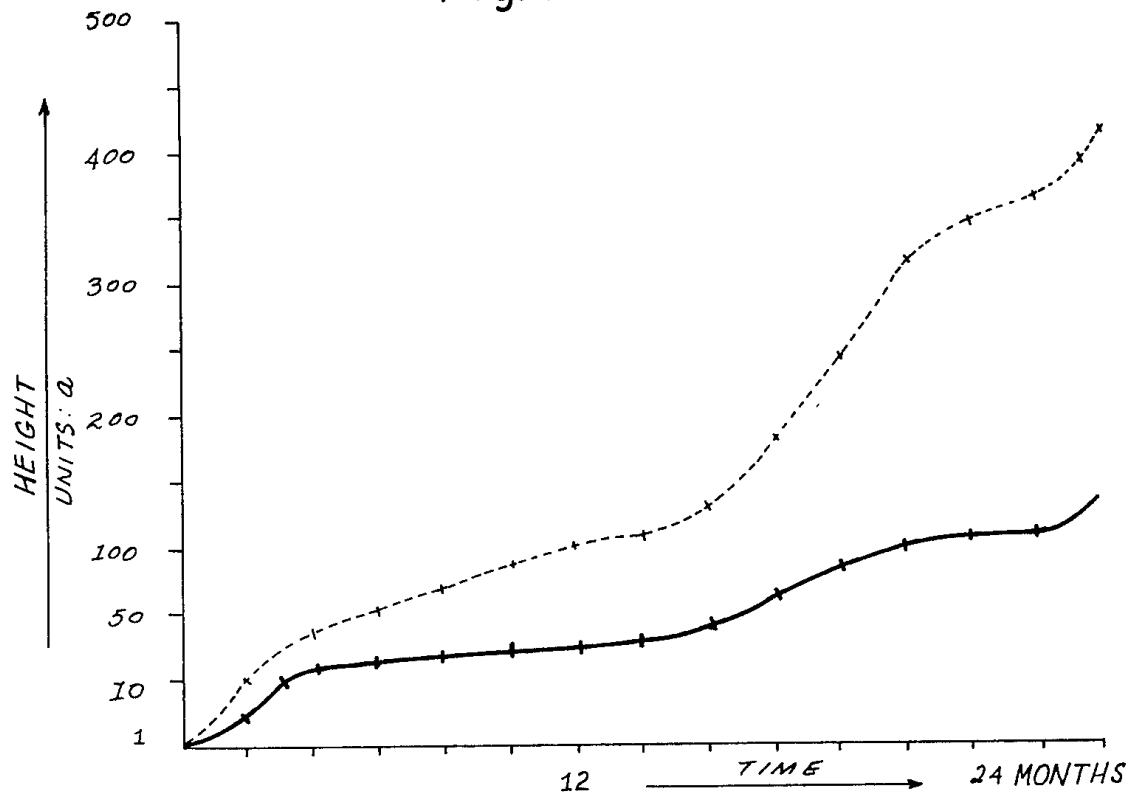
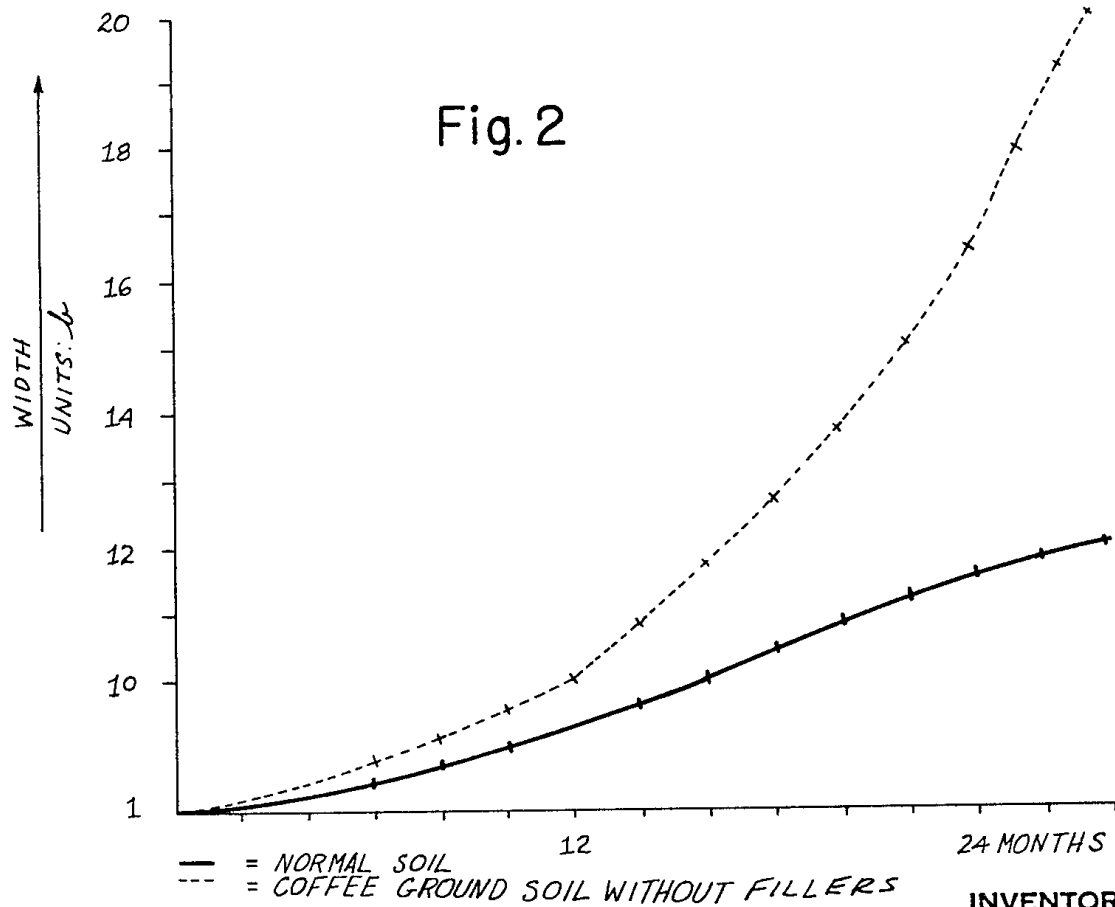


Fig. 2



— = NORMAL SOIL
--- = COFFEE GROUND SOIL WITHOUT FILLERS

INVENTOR
GERHARD GOGGMANN
BY
Michael J. Steiner
NEY

Publication data including kind & date

IL33112	A	1969-12-31	IL--33112
NL6915219	A	1970-04-17	NL6915219
FR2023318	A	1970-08-20	FR2023318
FR2023318	A1	1970-08-21	FR2023318
US3640696	A	1972-02-08	US3640696
GB1292049	A	1972-10-11	GB1292049
IL33112	B	1973-02-28	IL--33112
CH560172	A5	1975-03-27	CH-560172

**Abstract**

(US3640696)

The soil conditioner comprises a decomposed organic waste product, preferably **coffee** grounds, in the form of the extraction residue arising in the industrial production of powdered **coffee**, together with finely divided natural or synthetic activated silicon dioxide or a material containing the same.

The material is made by subjecting the **coffee** ground extraction residue to fermentation in a closed tank and then adding the silicon dioxide followed by storage upon access to the open air. The silicon dioxide may also be added prior to placing the material in the fermentation tank.

Inventors

GOLDMANN GERHARD

Latest standardized assignees - inventors removed

EVONIK INDUSTRIES

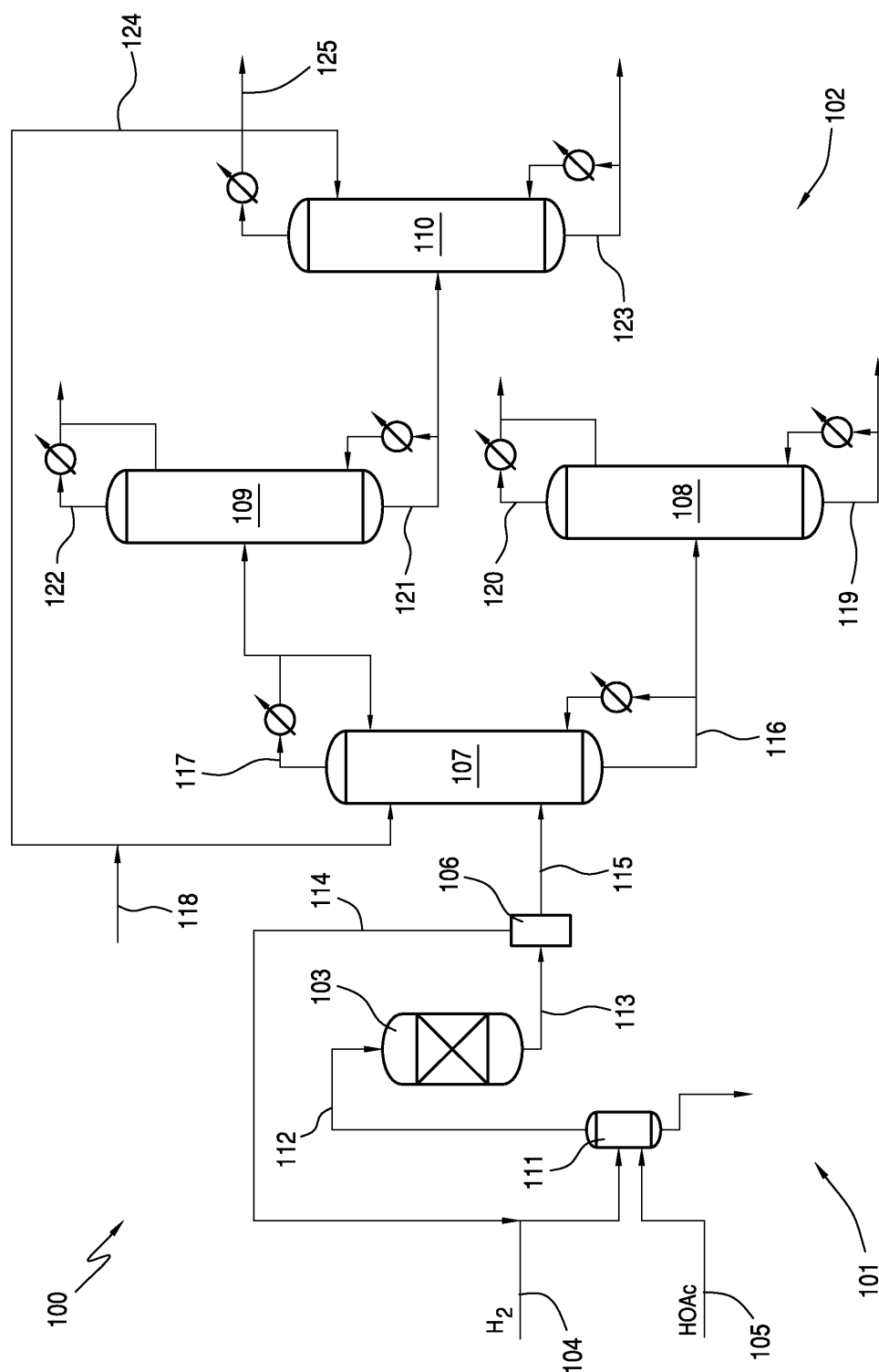
Family 6/20 - FAMPAT - ©Questel

Title

(WO2012173646)

Distillation of crude alcohol product using entrainer

Images



Publication data including kind & date

WO2012173646	A1	2012-12-20	WO2012173646
US20120323049	A1	2012-12-20	US20120323049
TW201302685	A	2013-01-16	TW201302685
CN103080050	A	2013-05-01	CN103080050
US8704012	B2	2014-04-22	US8704012
CN103080050	B	2016-05-11	CN103080050B



Abstract

(WO2012173646)

Recovery of ethanol from a crude ethanol product obtained from the hydrogenation of **acetic** acid using a low energy process and an entrainer. The crude ethanol product is separated in a distillation column to produce a distillate stream comprising the entrainer. The ethanol product is recovered from the residue stream.

Inventors

LEE DAVID

SARAGER LINCOLN

HORTON TRINITY

JOHNSTON VICTOR J

Latest standardized assignees - inventors removed

CELANESE INTERNATIONAL

Family 7/20 - FAMPAT - ©Questel

Title

(JP2009292906)

Thermoplastic polyester resin composition

Publication data including kind & date[JP2009292906](#) A 2009-12-17 JP2009292906**Abstract**

(JP2009292906)

PROBLEM TO BE SOLVED: To provide a polyester resin composition that exhibits excellent impact resistant properties, particularly impact resistant properties at a lower temperature by employing a resin composition comprising PBN and a composite **rubber**-containing graft copolymer mixed therewith, based on wholehearted study on enhancement of impact resistant properties of PBN, particularly enhancement of impact resistant properties at a lower temperature.

SOLUTION: The thermoplastic polyester resin composition comprises (C) 5-50 pts.mass of a filler, (D) 1-50 pts.mass of a flame-retardant, and (E) 0-3 pts.mass of a drip inhibitor, based on 100 pts.mass of a resin composition comprising (A) 99-50 pts.mass of a polybutylene naphthalene resin having an intrinsic viscosity of 0.60-1.30 dL/g and a terminal carboxy group concentration of $\leq 30.0 \text{ eq/10}^3 \text{ kg}$ and (B) 1-50 pts.mass of the composite **rubber**-containing graft copolymer obtained by graft-polymerizing one or more vinyl monomers onto a composite **rubber** comprised of a polyorganosiloxane **rubber** and a polyalkyl (meth)acrylate **rubber** mutually entangled inseparably to be integrated.

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Inventors

HONDA SOICHIRO

Latest standardized assignees - inventors removed

TEIJIN FIBERS

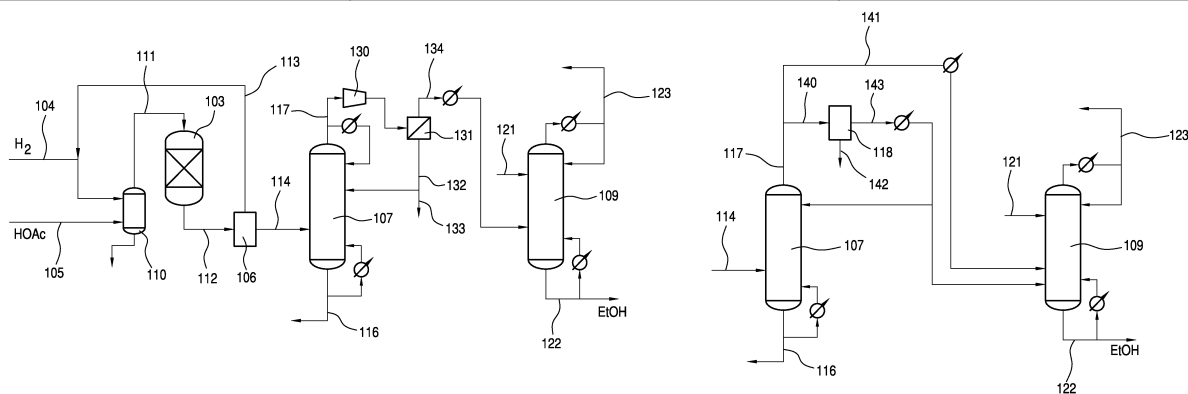
Family 8/20 - FAMPAT - ©Questel

Title

(EP2702019)

Process for removing water from ethanol mixtures

Images



Publication data including kind & date

WO2012148459	A1	2012-11-01	WO2012148459
US20120273338	A1	2012-11-01	US20120273338
TW201245120	A	2012-11-16	TW201245120
CN103068782	A	2013-04-24	CN103068782
AR086054	A1	2013-11-13	AR--86054
MX2013012533	A	2013-12-02	MX2013012533
IN2785/KOLNP/2013	A	2014-01-03	IN2013KN02785
BR112013027176	A1	2014-05-13	BR112013027176
US8754268	B2	2014-06-17	US8754268
CN103068782	B	2015-07-08	CN103068782B
BR112013027176	A2	2017-01-17	BR112013027176
EP2702019	A1	2018-06-06	EP2702019



Abstract

(EP2702019)

This invention relates to a process for removing water from an alcohol mixture, such as an ethanol mixture, to produce ethanol by hydrogenating **acetic** acid. The water is removed from a distillate of a first column using an adsorption unit, membrane, extractive column distillation, or a combination thereof.

Inventors

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 OROSCO ADAM
 POWELL NATHAN
 SALADO MANUEL
 SARAGER LINCOLN
 WARNER R JAY
 HALE TRINITY
 WOLLRAB RADMILA
 JOHNSTON VICTOR J

Latest standardized assignees - inventors removed

CELANESE INTERNATIONAL

Family 9/20 - FAMPAT - ©Questel

Title

(JP2009292887)

Thermoplastic polyester resin composition

Publication data including kind & date

JP2009292887	A	2009-12-17	JP2009292887
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Abstract

(JP2009292887)

PROBLEM TO BE SOLVED: To provide a polyester resin composition that exhibits excellent impact resistant properties, particularly impact resistant properties at a lower temperature by employing a resin composition comprising PBN and a composite **rubber**-containing graft copolymer mixed therewith, based on wholehearted study on enhancement of impact resistant properties of PBN, particularly enhancement of impact resistant properties at a lower temperature.

SOLUTION: The thermoplastic polyester resin composition comprises (C) 5-50 pts.mass of a filler, (D) 1-50 pts.mass of a flame-retardant, and (E) 0-3 pts.mass of a drip inhibitor, based on 100 pts.mass of a resin composition comprising (A) 99-50 pts.mass of a polybutylene naphthalate resin having an intrinsic viscosity of 0.60-1.30 dL/g and a terminal carboxy group concentration of $\leq 30.0 \text{ eq}/10^3 \text{ kg}$ and (B) 1-50 pts.mass of the composite **rubber**-containing graft copolymer obtained by graft-polymerizing one or more vinyl monomers onto a composite **rubber** composed of at least two polyalkyl (meth)acrylate rubbers having a different glass transition temperature.

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Inventors

HONDA SOICHIRO

Latest standardized assignees - inventors removed

TEIJIN FIBERS

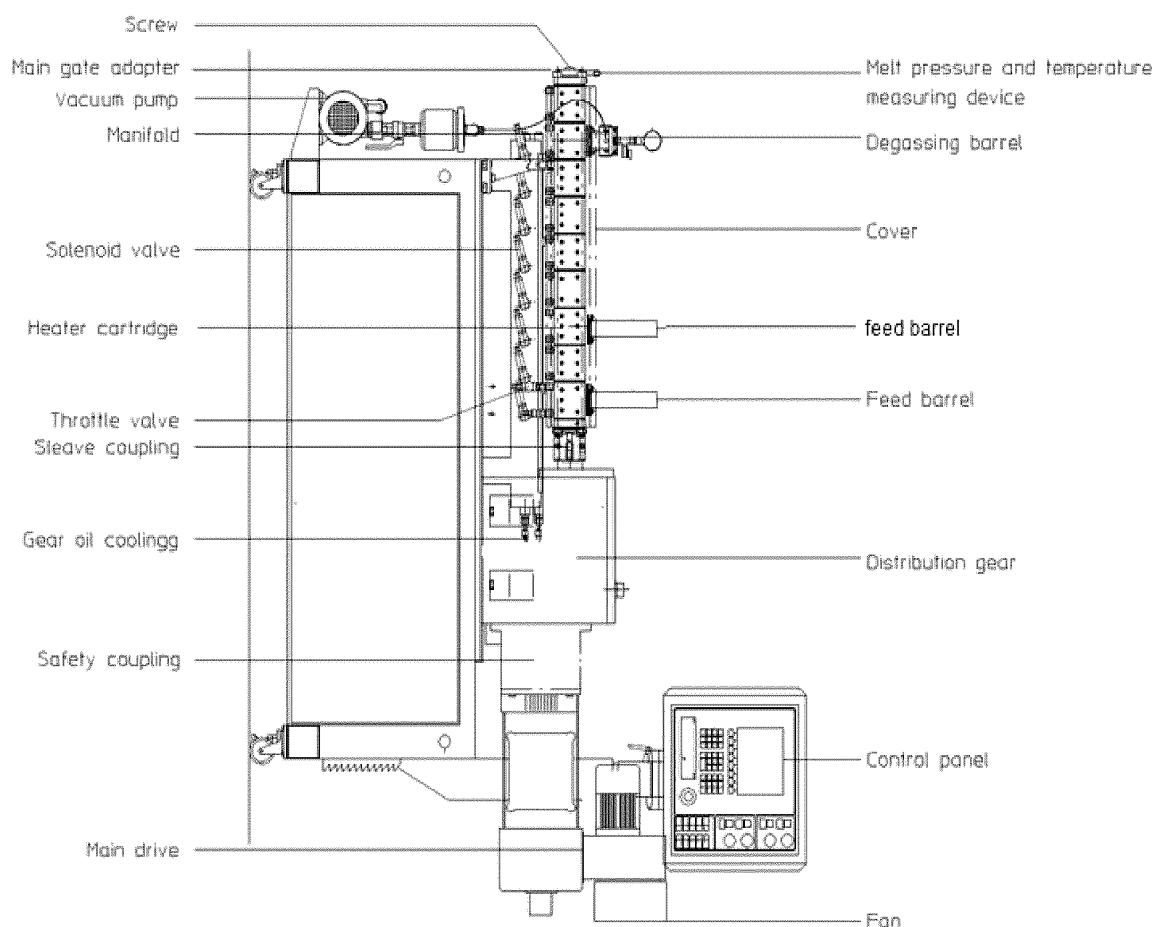
Family 10/20 - FAMPAT - ©Questel

Title

(EP3265515)

Biodegradable polymer-based biocomposites with tailored properties and method of making those

Images



Publication data including kind & date

CA2978629	A1	2016-09-09	CA2978629
WO2016138593	A1	2016-09-09	WO2016138593
MX2017011379	A	2018-02-19	MX2017011379



US20180127554	A1	2018-05-10	US20180127554
EP3265515	A1	2018-06-13	EP3265515
EP3265515	A4	2018-10-17	EP3265515

**Abstract**

(EP3265515)

A biodegradable composite including: (a) a polymeric matrix having a biodegradable polymer; (b) a filler; and (c) an **anhydride** grafted compatibilizer including one or more biodegradable polymers modified with an **anhydride** group. The composite may also include (d) polymer additives such as polymer chain extenders or plasticizers. An in situ method of manufacturing the biodegradable composite of the present invention, including the steps of: (a) melting one or more biodegradable polymers in the presence of a functional monomer and a free radical initiator to form a mixture; and (b) adding a filler and polymer additives to the mixture thereby manufacturing the biodegradable composite. A method of manufacturing a biodegradable polymer including (a) synthesizing a compatibilizer by (i) mixing a free radical initiator and a functional monomer, (ii) melting one or more biodegradable polymers to form a melt, and (iii) combining the product of step (i) and the melt of step (ii) thereby synthesizing the compatibilizer; and (b) mixing the compatibilizer of step (a), with a matrix of one or more biodegradable polymers and a filler and polymer additives, thereby manufacturing the biodegradable or compostable composite.

Inventors

MOHANTY AMAR KUMAR

MISRA MANJUSRI

ZARRINBAKHSN NIMA

MUTHURAJ RAJENDRAN

WANG TAO

RODRIGUEZ ARTURO

VIVEKANANDHAN SINGARAVELU

Latest standardized assignees - inventors removed

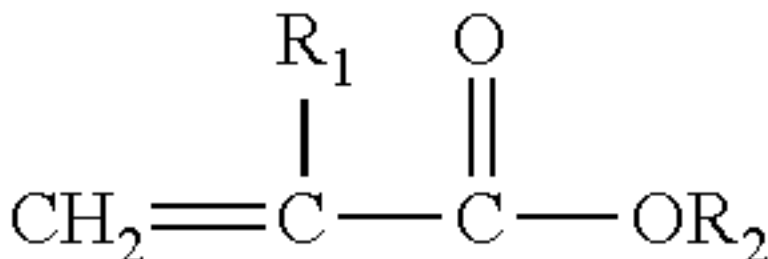
UNIVERSITY OF GUELPH

Family 11/20 - FAMPAT - ©Questel

Title

(EP2473541)

Hybrid dispersions and methods for producing the same

Images**Publication data including kind & date**

WO2010114648	A1	2010-10-07	WO2010114648
AU2010232935	A1	2011-10-27	AU2010232935
KR20120000571	A	2012-01-02	KR20120000571
US20120046409	A1	2012-02-23	US20120046409
CN102421815	A	2012-04-18	CN102421815
EP2473541	A1	2012-07-11	EP2473541
JP2012522103	A	2012-09-20	JP2012522103
BRPI1006540	A1	2012-11-20	BR201006540
AU2010232935	B2	2013-09-26	AU2010232935



BRPI1006540

A2 2016-02-10 BR201006540

Abstract

(EP2473541)

The instant invention is a hybrid dispersion, method of producing the same, articles made therefrom, and method of making such articles. The hybrid dispersion according to the present invention comprises the blending product of: (a) less than 30 percent by weight of a minor component comprising a hydrophobic polyurethane dispersion derived from one or more natural oil based polyols, based on the weight of the hybrid dispersion; and (b) less than 100 percent by weight of a major component selected from the group consisting of a latex emulsion, an epoxy, and a polyolefin dispersion; wherein the hybrid dispersion has a solid content in the range of 10 to 75 percent based on the weight of the hybrid dispersion.

Inventors

PIECHOCKI CHRISTIAN

ARGYROPOULOS JOHN

BILLS ROBERT

DRUMRIGHT RAY

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES

Family 12/20 - FAMPAT - ©Questel

Title

(EP1844661)

Stabilized enzyme compositions

Images**[0037]**

Table 4

Formulation Additive	Total Plate Counts/g		
	4°C for 3 weeks	20°C for 3 weeks	50°C for 3 weeks
Control	3700	9.5×10^7	80
Sorbitol & sodium chloride [†]	3600	530	270
Soluble coffee	100	200	20

[†] Conventional stabilizers used in enzyme formulations.**Publication data including kind & date**

BRPI0701536	A1	2007-08-14	BR200701536
US20070237857	A1	2007-10-11	US20070237857
KR20070101152	A	2007-10-16	KR20070101152
EP1844661	A1	2007-10-17	EP1844661
JP2007275065	A	2007-10-25	JP2007275065
BRPI0701536	A	2007-12-11	BR200701536
CN101200713	A	2008-06-18	CN101200713
IN0754/CHE/2007	A	2008-11-28	IN2007CH00754
RU2007113102	A	2008-12-20	RU2007113102
BRPI0701536	A2	2010-12-28	BR200701536
EP1844661	B1	2011-01-19	EP1844661
AT495673	T	2011-02-15	ATE495673
DE602007012007	D1	2011-03-03	DE602007012007
ES2358539	T3	2011-05-11	ES2358539
RU2434528	C2	2011-11-27	RU2434528
JP5066384	B2	2012-08-17	JP5066384



KR20140081772	A	2014-07-01	KR20140081772				
KR101502620	B1	2015-03-16	KR101502620				
BRPI0701536	B1	2015-12-08	BR200701536				
KR101597034	B1	2016-02-24	KR101597034				
IN283274	B	2017-05-19	IN-283274				

Abstract

(EP1844661)

Enzyme compositions stabilized with **coffee**-derived materials are provided. The stabilized enzyme compositions are especially useful in the production of soluble **coffee** from roast **coffee** solids.

Inventors

SILVER RICHARD STUART

WHALEN-PEDERSEN ERIK

Latest standardized assignees - inventors removed

INTERCONTINENTAL GREAT BRANDS

Family 13/20 - FAMPAT - ©Questel

Title

(JP2010006852)

Thermoplastic polyester resin composition

Publication data including kind & date

JP2010006852	A	2010-01-14	JP2010006852			
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Abstract

(JP2010006852)

PROBLEM TO BE SOLVED: To provide a polybutylene naphthalate (PBN) composition excellent in high-impact characteristic at a low temperature, hydrolysis resistance, heat resistance and dimensional accuracy.

SOLUTION: The thermoplastic polyester resin composition is prepared by compounding a filler (E) of 0 to 50 pts.mass, a flame-retardant (F) of 0 to 50 pts.mass and an anti-dripping agent (G) of 0 to 3 pts.mass to a resin composition of 100 pts.mass comprising: a polybutylene naphthalate resin (A) having intrinsic viscosity of 0.60 to 1.30 dL/g and terminal carboxy group concentration of 30.0 eq/10³kg or less, of 15 to 80 pts.mass; a butadiene-type **rubber**-containing graft copolymer (B) made by graft-polymerizing at least one kind of monomer selected from vinyl cyanide compound, aromatic alkenyl compound and vinyl type compounds other than the vinyl cyanide compound and aromatic alkenyl compound to a rubbery polymer composed of butadiene units, of 10 to 50 pts.mass; a rubbery elastomer (C) besides (B), of 1 to 10 pts.mass; a vinyl cyanide type polymer (D) besides (B), having at least one kind selected from vinyl cyanide compound, aromatic alkenyl compound and vinyl type compounds other than the vinyl cyanide compound and aromatic alkenyl compound as a constitutional unit, of 4 to 74 pts.mass.

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Inventors

HONDA SOICHIRO

Latest standardized assignees - inventors removed

TEIJIN FIBERS

Family 14/20 - FAMPAT - ©Questel

Title

(JP2002327124)

Thermoplastic resin composition and method for producing the same

Publication data including kind & date

JP2002327124	A	2002-11-15	JP2002327124			
JP3949922	B2	2007-04-27	JP3949922			

Abstract

(JP3949922)

PROBLEM TO BE SOLVED: To provide a molded product hardly having rough surface and filler speck, hardly causing the reduction of an impact resistance, and having excellent appearance, without causing scam and bleeding out at the time of molding even if a filler is compounded therewith. **SOLUTION:** This thermoplastic resin composition is obtained by compounding (A) 100 pts.wt. thermoplastic resin, (B) 0.1-400 pts.wt. acrylic high-molecular weight polymer, (C) a mixed powder including a polytetrafluoroethylene, and (D) 1-2,000 pts.wt. filler, regulated so that the content of the tetrafluoroethylene component in the powder (C) including the polytetrafluoroethylene may be 0.01-400 pts.wt. based on 100 pts.wt. thermoplastic resin (A).

Inventors

Osuga Masahiro

AOKI HIDEO

TAKEI SEIJI

Masanori Sekida

Hideo Aoki

Latest standardized assignees - inventors removed

MITSUBISHI RAYON

Family 15/20 - FAMPAT - ©Questel

Title

(JP2009298660)

Method for producing molding, repairing method using the method, and flame retardancy imparting material containing powder of the molding

Publication data including kind & date[JP2009298660](#) A 2009-12-24 JP2009298660[JP5072726](#) B2 2012-08-31 JP5072726**Abstract**

(JP5072726)

PROBLEM TO BE SOLVED: To provide a method for producing a molding excellent in flame retardancy, heat resistance, etc. and a repairing method in which a scratched, softened portion of the molding is repaired with excellent working efficiency so that the molding after repair (the scratched, cracked, caved or softened portion-packed molding) of a final state can be excellent in flame retardancy, heat resistance, crack resistance, etc. and to provide a flame retardancy imparting material which contains the powder obtained by pulverizing the molding and is excellent in flame retardancy imparting properties.

SOLUTION: The method for producing the molding comprises the steps of at least blending aluminum polychloride, magnesium oxide and a filler at the least and hardening the obtained mixture, or further comprises a step of blending saccharide, carboxylic acids, alcohols, thermosetting resins, etc. in addition to aluminum polychloride, magnesium oxide and the filler. The repairing method and the flame retardancy imparting material are also provided.

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Inventors

Osamu Sugiyama

Latest standardized assignees - inventors removed

HI VAN

Family 16/20 - FAMPAT - ©Questel

Title

(EP3363853)

Thermoplastic starch composition derived from agricultural waste

Images

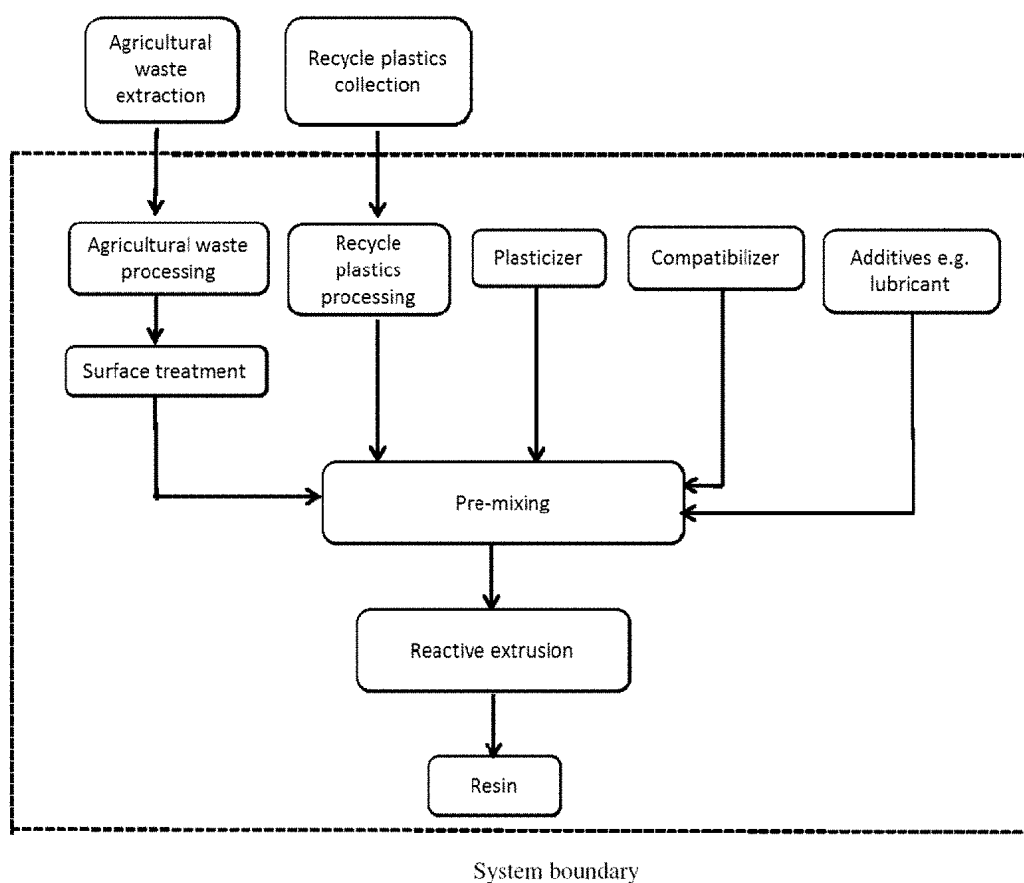


Fig. 1

Publication data including kind & date

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CA2864396	A1	2013-09-19	CA2864396
WO2013137711	A1	2013-09-19	WO2013137711
EP2756034	A1	2014-07-23	EP2756034
AU2012373360	A1	2014-08-21	AU2012373360
SG11201404553V	A	2014-10-30	SG11201404553V
PH12014501751	A1	2014-11-10	PH12014501751
KR20140137424	A	2014-12-02	KR20140137424
VN40328	A	2014-12-25	VN--40328
JP2015511648	A	2015-04-20	JP2015511648
IN1602MUN2014	A	2015-05-15	IN2014MN01602
US20150141555	A1	2015-05-21	US20150141555
EP2756034	A4	2015-07-22	EP2756034
US9328223	B2	2016-05-03	US9328223
TH149426	A	2016-05-04	TH-149426
AU2012373360	B2	2016-11-17	AU2012373360
US20160340478	A1	2016-11-24	US20160340478
SG10201609590W	A	2016-12-29	SG10201609590W
JP6088038	B2	2017-03-01	JP6088038
AU2017200990	A1	2017-03-02	AU2017200990
TWI581873	B	2017-05-11	TWI581873



US9650475	B2	2017-05-16	US9650475				
JP2017106025	A	2017-06-15	JP2017106025				
US20170247516	A1	2017-08-31	US20170247516				
MY163937	A	2017-11-15	MY-163937				
EP2756034	B1	2018-01-10	EP2756034				
US9988503	B2	2018-06-05	US9988503				
EP3363853	A1	2018-08-22	EP3363853				
US20180258236	A1	2018-09-13	US20180258236				
JP2018188656	A	2018-11-29	JP2018188656				
KR10-2018-0130588	A	2018-12-07	KR20180130588				
AU2017200990	B2	2019-01-24	AU2017200990				
US10196490	B2	2019-02-05	US10196490				
AU2019200804	A1	2019-02-21	AU2019200804				

Abstract

(EP3363853)

A thermoplastic starch composition acquired from compounding a mixture comprises starch-containing agricultural waste in 45 to 70% by weight of total composition that the agricultural waste contains starch content less than 50% in dry weight; thermoplastic synthetic polymer in 25 to 50% by weight of total composition; plasticizer in 1 to 10% by weight of total composition; and coupling agent in 1 to 5% by weight of total composition; wherein the compounding is performed at a first temperature which is higher than room temperature.

Inventors

PUN MENG YAN

Latest standardized assignees - inventors removed

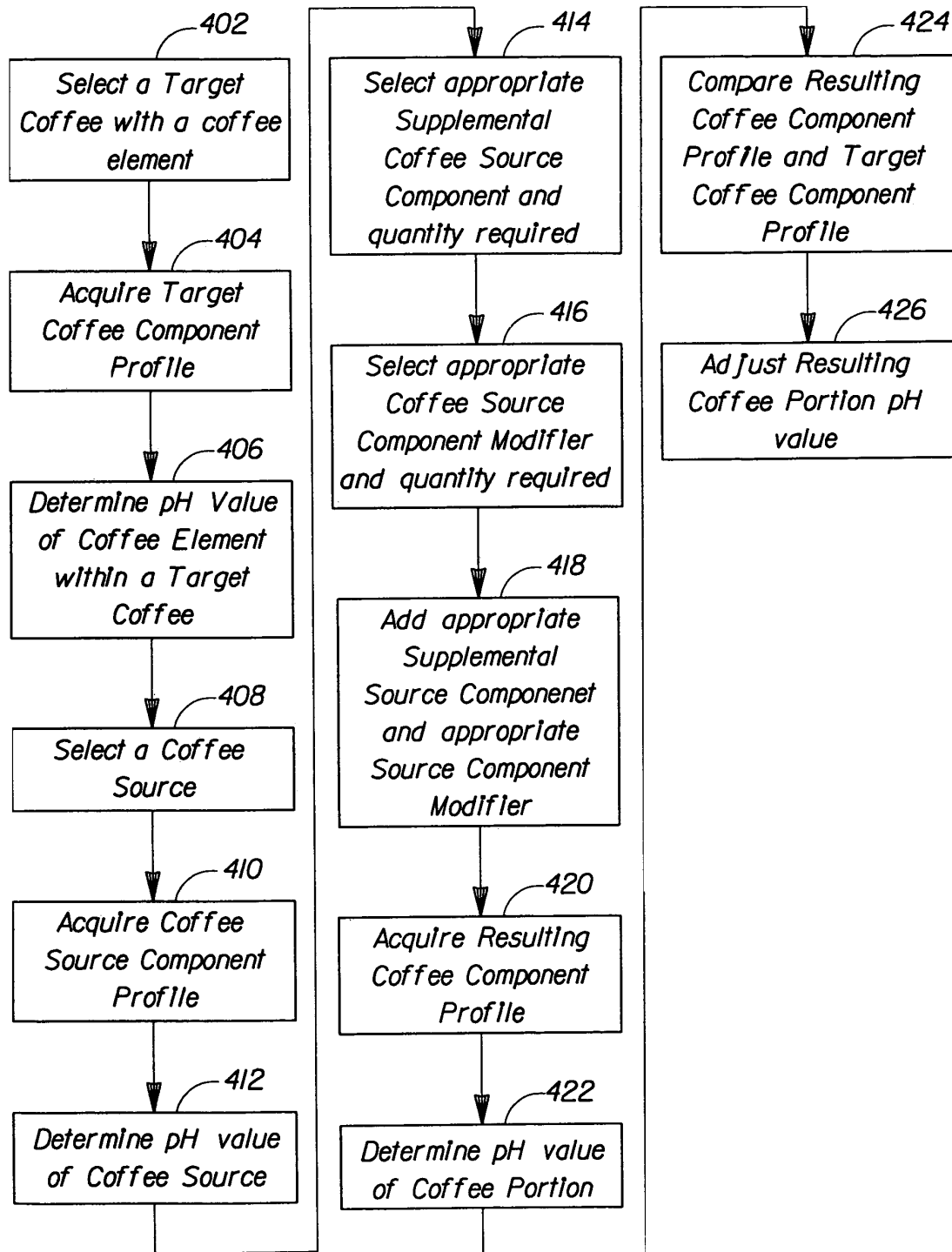
TEXCHEM POLYMERS

Family 17/20 - FAMPAT - ©Questel

Title

(EP1359812)

[Coffee](#) compositions with stable flavor characteristics and method of making**Images**



Publication data including kind & date

WO02063972	A2	2002-08-22	WO200263972
CA2437829	A1	2002-08-22	CA2437829
AU2002244106	A1	2002-08-28	AU2002244106
US20020187241	A1	2002-12-12	US20020187241
WO02063972	A3	2003-04-10	WO200263972
EP1359812	A2	2003-11-12	EP1359812
BR0207218	A	2004-02-10	BR200207218
BRPI0207218	A1	2004-02-10	BRPI0207218
WO02063972	A8	2004-04-01	WO200263972
CN1491081	A	2004-04-21	CN1491081
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JP2004518438	A	2004-06-24	JP2004518438



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EP1359812	B1	2007-05-16	EP1359812				
AT362322	T	2007-06-15	ATE362322				
DE60220138	D1	2007-06-28	DE60220138				
DE60220138	T2	2008-01-17	DE60220138				
JP2009279010	A	2009-12-03	JP2009279010				
US7713567	B2	2010-05-11	US7713567				
JP4654308	B2	2010-12-24	JP4654308				
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BRPI0207218	A2	2011-04-26	BR200207218				
BR0207218	B1	2014-08-26	BR200207218				
BRPI0207218	B1	2014-08-26	BRPI0207218				

Abstract

(EP1359812)

A ready to drink **coffee** beverage comprising a **coffee** portion, said **coffee** portion comprising a principal **coffee** component and N relevant **coffee** components, where N is a number in the range of from about 1 to about 20, wherein the principal **coffee** component corresponds to a principal **coffee** component of a second **coffee** and the relevant **coffee** components correspond to relevant **coffee** components of the second **coffee**, and wherein the total concentration of the principal **coffee** component is in the range of from about 50% below to about 50% above the total concentration of the corresponding principal **coffee** component in the second **coffee**, and wherein the value of the total concentration of the principal **coffee** component divided by the total concentration of each of the relevant **coffee** components is within the range of from about 50% below to about 50% above the value of the total concentration of the corresponding principal **coffee** component in the second **coffee** divided by the total concentration of the corresponding relevant **coffee** components in the second **coffee**, and wherein the second **coffee** is non-aged version of the **coffee** portion. A **coffee** beverage comprising a **coffee** source component modifier, e.g. NaOH, and a supplemental **coffee** source component e.g. malic or citric acid, is described.

Inventors

HARDESTY DOUGLAS CRAIG

YOUNG JERRY DOUGLAS

Latest standardized assignees - inventors removed

KNUDSEN JEANNETTE L

EKONOMON ADAM ESQ

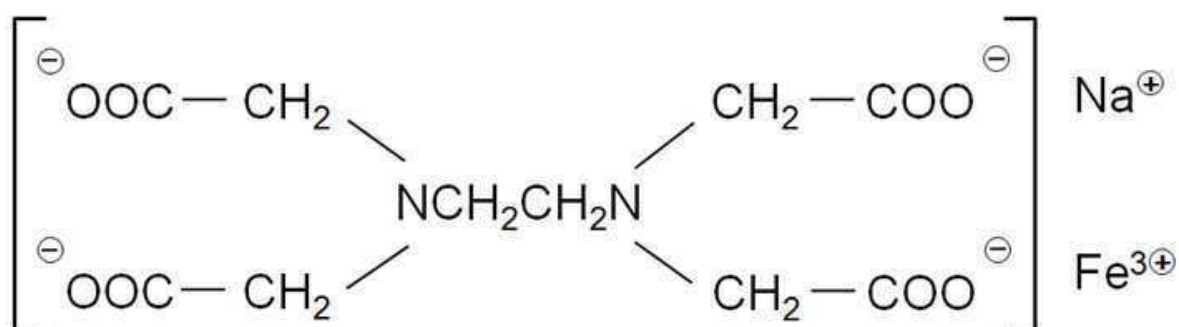
FOLGER **COFFEE**

Family 18/20 - FAMPAT - ©Questel

Title

(KR101766791)

Biodegradable soft bio material composition which rapidly become low molecular substance by containing double bond and extruded product thereof

Images

Publication data including kind & date



[KR20170043024](#) A 2017-04-20 KR20170043024
[KR101766791](#) B1 2017-08-09 KR101766791



Abstract

(KR101766791)

The present invention relates to a biodegradable soft bio raw material composition, and more specifically, to an environmentally-friendly soft bio raw material composition, which uses a soft polymer such as millable silicone **rubber** as a main ingredient, mixes plant biomass with the same, especially by adding some specific functional components of metal ion salt such as ferric sodium edetate, and an automatic oxidizing agent which uses a double bond structure, and has rapid oxidative degradation and biodegradation functions, as well as excellent properties of an extruded product using the same, and to the extruded product of the environmentally-friendly soft bio raw material composition.

Inventors

YOU YOUNG SUN

CHUNG MYOUNG SOO

MIN SEA C

KIM MI KYEOUNG

OH YU SUNG

Latest standardized assignees - inventors removed

BIOPOLYMER

Family 19/20 - FAMPAT - ©Questel

Title

(EP2292894)

A composition and method for making a proppant

Images

Fig. 1.

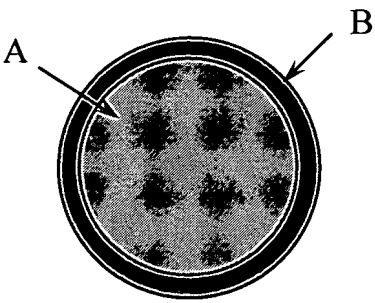


Fig. 2.

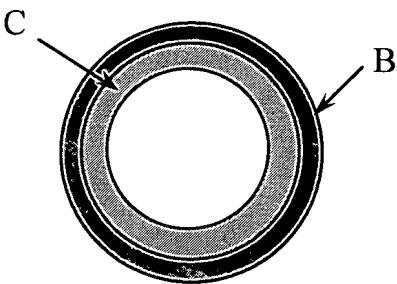
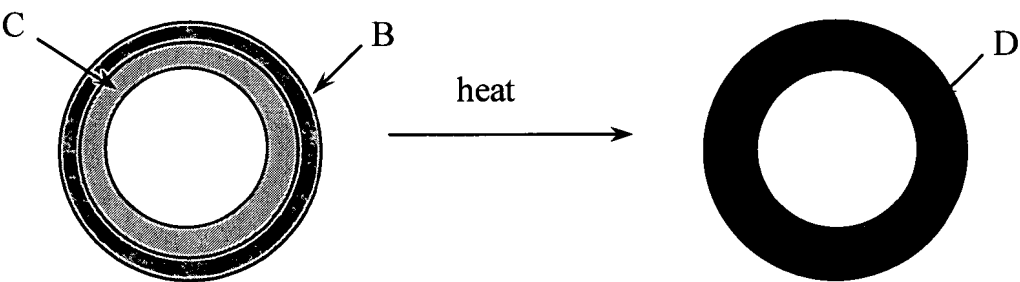
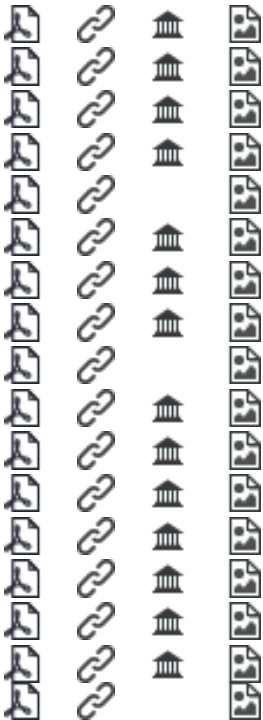


Fig. 3.



Publication data including kind & date

WO2006084236	A1	2006-08-10	WO200684236
US20060177661	A1	2006-08-10	US20060177661
CA2593969	A1	2006-08-10	CA2593969
AU2006210470	A1	2006-08-10	AU2006210470
AR053672	A1	2007-05-16	AR--53672
US20070166541	A1	2007-07-19	US20070166541
US20070202318	A1	2007-08-30	US20070202318
NO20073753	A	2007-09-04	NO200703753
MX2007009374	A	2007-11-15	MX2007009374
CN101115906	A	2008-01-30	CN101115906
WO2008018966	A2	2008-02-14	WO200818966
CA2659669	A1	2008-02-14	CA2659669
AU2007282111	A1	2008-02-14	AU2007282111
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WO2008018966	A3	2008-04-17	WO200818966
US20080135245	A1	2008-06-12	US20080135245



AR062170	A1	2008-10-22	AR--62170				
US7459209	B2	2008-12-02	US7459209				
US20090032254	A1	2009-02-05	US20090032254				
US20090032253	A1	2009-02-05	US20090032253				
MX2009001238	A	2009-02-12	MX2009001238				
US20090038798	A1	2009-02-12	US20090038798				
US7491444	B2	2009-02-17	US7491444				
US20090065208	A1	2009-03-12	US20090065208				
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US20090137433	A1	2009-05-28	US20090137433				
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CN101522856	A	2009-09-02	CN101522856				
EA012634	B1	2009-12-30	EA--12634				
IN1176/DELNP/2009	A	2010-08-20	IN2009DN01176				
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US7887918	B2	2011-02-15	US7887918				
US7914892	B2	2011-03-29	US7914892				
US20110077176	A1	2011-03-31	US20110077176				
EP1856374	A1	2011-06-01	EP1856374				
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US8003212	B2	2011-08-23	US8003212				
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EA016841	B1	2012-07-30	EA--16841				
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US8603578	B2	2013-12-10	US8603578				
EP1856374	B1	2014-07-02	EP1856374				
KR101501293	B1	2015-03-18	KR101501293				
CN101522856	B	2015-05-06	CN101522856B				
HK1129415	A1	2016-02-26	HK1129415				
EP2047061	B1	2016-08-17	EP2047061				
CA2659669	C	2017-05-02	CA2659669				
EP2292894	A1	2018-02-07	EP2292894				

Abstract

(EP2292894)

The present invention relates to proppants which can be used to prop open subterranean formation fractions. Proppant formulations are further disclosed which use one or more proppants of the present invention. Methods to prop open

subterranean formation fractions are further disclosed. In addition, other uses for the proppants of the present invention are further disclosed, as well as methods of making the proppants.

Inventors

SMITH RUSSELL J

LOSCUTOVA JOHN R

WHITSITT ELIZABETH A

COKER CHRISTOPHER E

BARRON ANDREW R

WEISNER MARK

CONSTANTINO STEPHEN A

BORDIA RAJ

Latest standardized assignees - inventors removed

OXANE MATERIALS

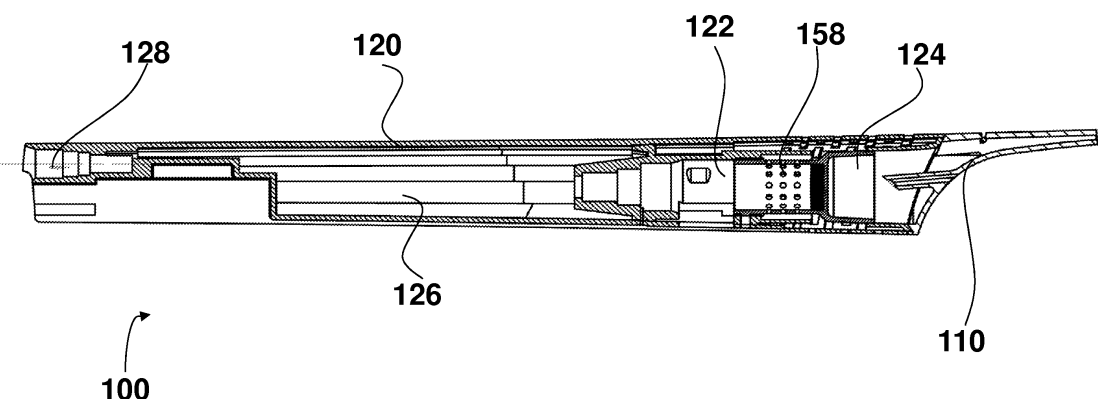
Family 20/20 - FAMPAT - ©Questel

Title

(EP2234508)

Aerosol devices and methods for inhaling a substance and uses thereof

Images



Publication data including kind & date

US20090151717	A1	2009-06-18	US20090151717
WO2009079641	A2	2009-06-25	WO200979641
AU2008338305	A1	2009-06-25	AU2008338305
WO2009079641	A3	2009-09-03	WO200979641
TW200944142	A	2009-11-01	TW200944142
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IN5164/DELNP/2010	A	2011-03-04	IN2010DN05164
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CN101951796	B	2016-02-03	CN101951796B



TWI522051	B	2016-02-21	TWI522051				
CN105661645	A	2016-06-15	CN105661645				
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Abstract

(EP2234508)

Devices, cartridges, and method are described herein for emulating smoking wherein a device generates an aerosol for inhalation by a subject by heating a viscous material that can have a tactile response in the mouth or respiratory tract, while reducing Hoffman analytes and mutagenic compounds delivered to the user as compared to a common tobacco cigarette.

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Latest standardized assignees - inventors removed

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