

31 Documents

Publication numbers	Title	Current assignees
US20030194954 A1	A bonded abrasive tool	SAINT GOBAIN ABRASIVES
CA2091123 A1	Process for the preparation of an yttrium-barium-copper-oxide powder (123 phase) for shaping by drawing-laminating	ALCATEL LUCENT
WO2009134816 A1	Processing biomass	XYLECO
DE102011117709 A1	Ceramic material, method for producing the ceramic material, and electroceramic component comprising the ceramic material	TDK ELECTRONICS
WO201466884 A1	Silk-based fabrication techniques to prepare high strength calcium phosphate ceramic scaffolds	TUFTS UNIVERSITY BOSTON, ...
WO200487816 A2	Thin coating aluminum pigments, method for the production thereof, and use of said aluminum pigments	ECKART
BR102015019917 A1	Methods and apparatus to form biocompatible energization primary elements for biomedical devices with electroless sealing layers	JOHNSON & JOHNSON VISION CARE
US20140023855 A1	Core/shell type tetragonal titanium oxide particle water dispersion, making method, uv-shielding silicone coating composition and coated article	SHIN ETSU CHEMICAL
WO2014153570 A2	New and improved system for processing various chemicals and materials	TRANSTAR
CN103101127 A	Methods and Systems for the Recycling of Laminated Materials	BOEING
WO201137776 A2	Abrasive article with solid core and methods of making the same	3M
WO200146523 A2	Hydroxy-phenoxyether polymers in papermaking	ADVANCED PLASTICS TECHNOLOGIES LUXEMBOURG
WO200622100 A1	Graphite material, method for producing same, negative electrode material for lithium ion secondary battery, negative electrode for lithium ion secondary battery, and lithium ion secondary battery	JFE CHEMICAL
WO200615757 A1	Process for coating fine particles with conductive polymers	CHEMETALL
US20030141506 A1	Nitride semiconductor element with supporting substrate and method for producing nitride semiconductor element	NICHIA
BR200603769 A1	Precipitated silica with a specific pore size distribution	EVONIK DEGUSSA
WO2010124892 A1	Production and use of ceramic composite materials based on a polymeric carrier film	EVONIK LITARION
WO2006112455 A1	Electron emitter, field emission display unit, cold cathode fluorescent tube, flat type lighting device, and electron emitting material	ASAHI GLASS

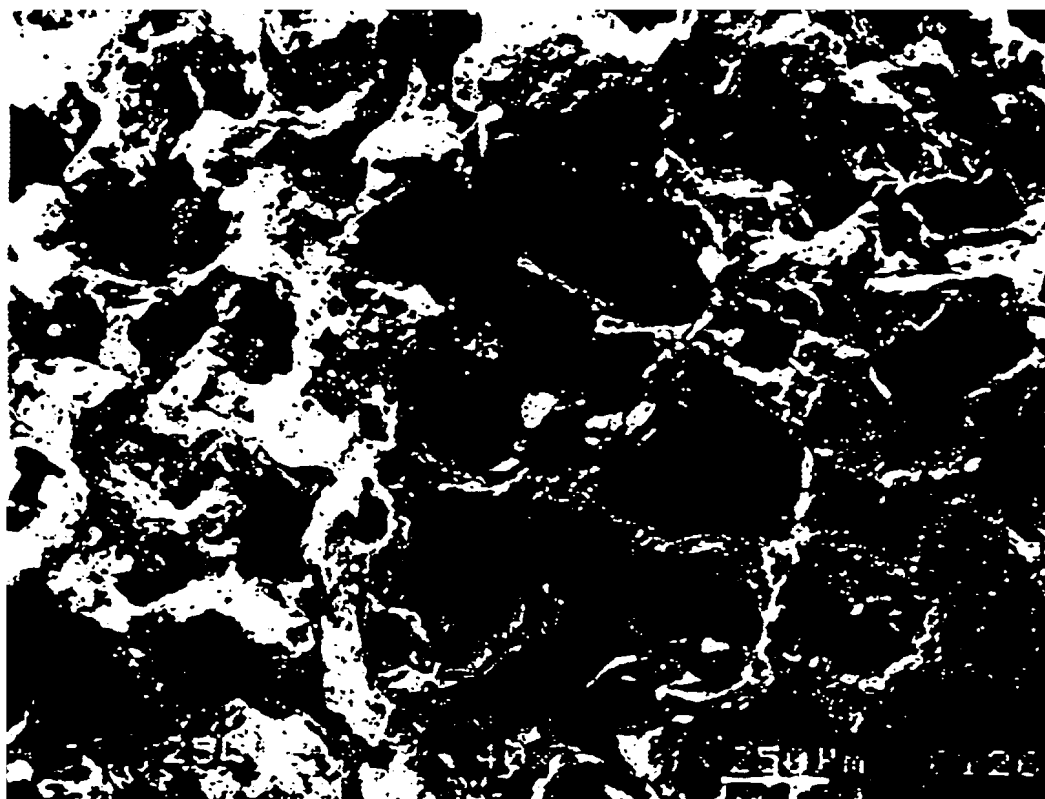
Publication numbers	Title	Current assignees
JP2004081140W A1	Light emitting film, luminescent device, method for manufacturing light emitting film and method for manufacturing luminescent device	NICHIA
EP2868717 A1	Titania-containing coating composition and coated article	SHIN ETSU CHEMICAL
EP2865720 A1	Photocurable coating composition, laminate, and automotive headlamp covering sheet	SHIN ETSU CHEMICAL
SE9301466 D0	Process for the preparation of finely divided metal and ceramic powders	HC STARCK
WO200538935 A1	Light-emitting device	NICHIA
EP1914052 A1	Lightweight wooden material	BASF
US20020117940 A1	Screening machine	QUALITY RESEARCH DEVELOPMENT & CONSULTING I
WO2009103537 A1	Nonwoven fabric having cross-linking material	FREUDENBERG
IL-105593 A	Finely divided non-oxide ceramic powders	HC STARCK
JP2012060175W A1	Oxide catalyst, process for production of oxide catalyst, process for production of unsaturated acid, and process for production of unsaturated nitrile	ASAHI KASEI CHEMICALS
WO200079621 A1	Active material for anode of secondary cell and method for production thereof and non-aqueous electrolyte secondary cell, and recycled electronic functional material and method for recycling electronic functional material	TOSHIBA
US20050118939 A1	Method of forming a flexible abrasive sheet article	DUESCHER WAYNE O
US20100003904 A1	High speed flat lapping platen	DUESCHER WAYNE O

Family 1/31 - FAMPAT - ©Questel

Title

(EP2767364)

A bonded abrasive tool

Images**Publication data including kind & date**

US20030194954	A1	2003-10-16	US20030194954
US20030194947	A1	2003-10-16	US20030194947
WO03086703	A1	2003-10-23	WO200386703
WO03086704	A1	2003-10-23	WO200386704
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CA2479713	A1	2003-10-23	CA2479713
CA2479712	A1	2003-10-23	CA2479712
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AU2003224746	A1	2003-10-27	AU2003224746
AU2003222050	A1	2003-10-27	AU2003222050
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TW200404644	A	2004-04-01	TW200404644
TW200406279	A	2004-05-01	TW200406279
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IN2241/CHENP/2004	A	2007-07-20	IN2004CN02241				
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IN2259/CHENP/2004	A	2007-09-07	IN2004CN02259				
SE529566	C2	2007-09-18	SE-529566				
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CA2480674	C	2008-01-29	CA2480674				
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EP1497075	B1	2014-06-04	EP1497075				
EP2455185	A3	2014-06-25	EP2455185				
JP5580977	B2	2014-07-18	JP5580977				
EP2767364	A2	2014-08-20	EP2767364				
EP2767364	A3	2014-10-08	EP2767364				
CZ305187	B6	2015-06-03	CZ-305187				
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EP2767364	A8	2015-06-10	EP2767364				
CZ305217	B6	2015-06-17	CZ-305217				
CZ305225	B6	2015-06-17	CZ-305225				
BRPI0309103	A2	2016-03-08	BR200309103				
EP2455185	B1	2017-06-14	EP2455185				
BRPI0309236	A2	2019-01-15	BRPI0309236				

Abstract

(EP2767364)

A bonded abrasive tool, having a structure permeable to fluid flow, comprises sintered agglomerates of a plurality of abrasive grains and a binding material, the binding material being characterized by a melting temperature between 500 and 1400°C, and the sintered agglomerates having loose packing density of $\rho \approx 1.6\text{g/cc}$ and three-dimensional shape; a bond material; and about 35-80 volume % total porosity, including at least 30 volume % interconnected porosity. Methods for making the sintered agglomerates e.g., Fig. 1, and abrasive tools containing the sintered agglomerates are described.

Inventors

BRIGHT ERIC

WU MIANXUE

Latest standardized assignees - inventors removed

SAINT GOBAIN ABRASIVES

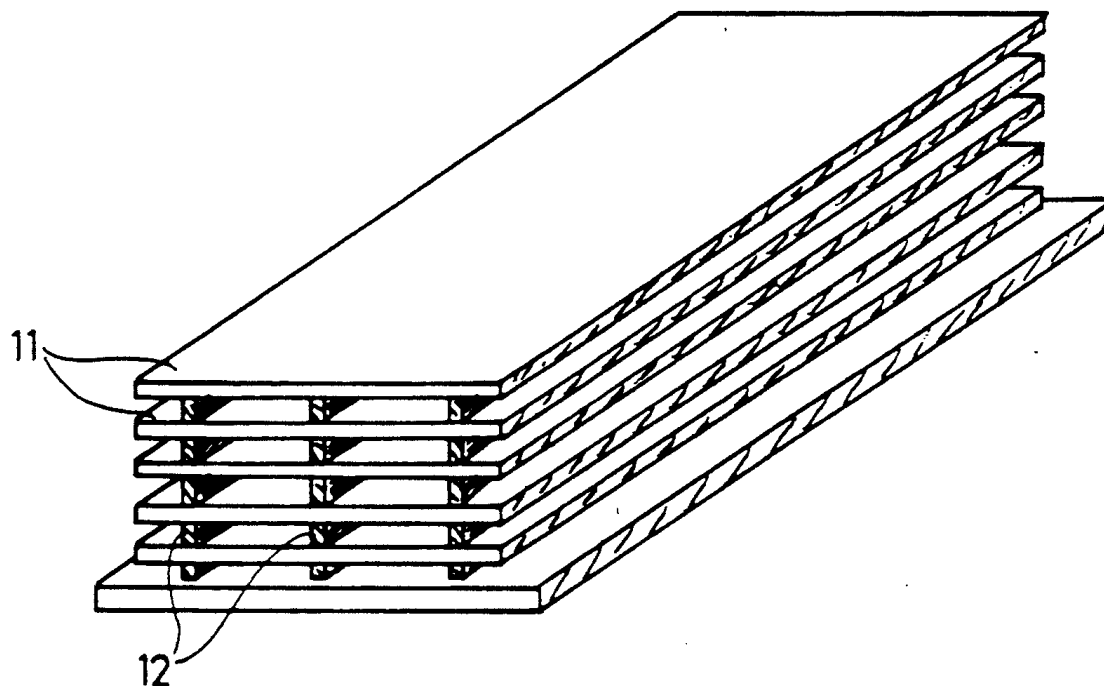
Family 2/31 - FAMPAT - ©Questel

Title

(EP-559574)

Process for the preparation of an yttrium-barium-copper-oxide powder (123 phase) for shaping by drawing-laminating

Images



Publication data including kind & date

CA2091123	A1	1993-09-07	CA2091123
EP0559574	A1	1993-09-08	EP-559574
FR2688207	A1	1993-09-10	FR2688207
FR2688207	B1	1994-04-15	FR2688207
US5334557	A	1994-08-02	US5334557
JPH06256016	A	1994-09-13	JP06256016
EP0559574	B1	1996-09-11	EP-559574
DE69304569	D1	1996-10-17	DE69304569
DE69304569	T2	1997-06-12	DE69304569



Abstract

(EP-559574)

Process for the preparation of a YBa-CuO powder (phase 123) with a view to shaping by drawing-rolling, according to which process: - a powdered reaction mixture is prepared, of precursors with a purity higher than 99 % and whose stoichiometry is accurate to less than 1 %, - this powdered reaction mixture is agglomerated to convert it into intermediate pieces (1) with a thickness of less than two millimetres, which are introduced into a furnace (2) while their contact with a support is limited as much as possible, - a heat treatment is performed, - a dry milling is performed until particles with a mean diameter of a few μm forming the said powder are obtained. <IMAGE>

Inventors

DUPERRAY GERARD

AUDRY CLAUDETTE

DUCATEL FRANCOISE

Latest standardized assignees - inventors removed

ALCATEL LUCENT

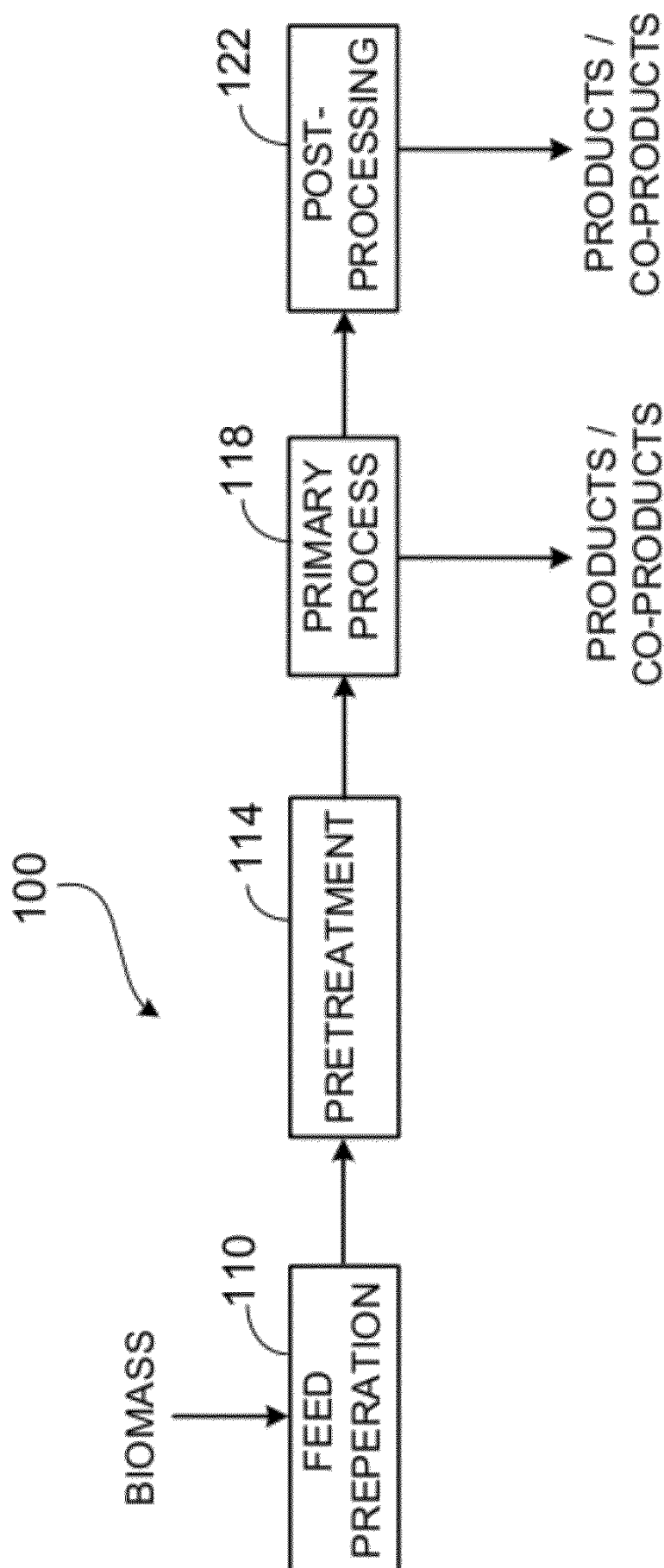
Family 3/31 - FAMPAT - ©Questel

Title

(EP3461899)

Processing biomass

Images

**FIG. 1**

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AU2009243195	A1	2009-11-05	AU2009243195				
US20090286295	A1	2009-11-19	US20090286295				
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MX2010011973	A	2011-01-21	MX2010011973				
EP2279256	A1	2011-02-02	EP2279256				
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RU2010148802	A	2012-06-10	RU2010148802				
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WO2009134816	A9	2013-02-28	WO2009134816				
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IN301298	B	2018-09-24	IN-301298				
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EP3461899	A1	2019-04-03	EP3461899				

Abstract

(EP3461899)

The present application relates to a fermentation method comprising mixing in a medium xylose, one or more fermenting microorganisms, and an ionizing radiation irradiated cellulosic or lignocellulosic material, fermenting the xylose to a fermentation product, wherein the fermentation step produces fermentation product at a faster rate than would be produced in the fermentation step in the absence of the irradiated cellulosic or lignocellulosic material.

Inventors

MEDOFF MARSHALL

MASTERMAN CRAIG THOMAS

Latest standardized assignees - inventors removed

XYLECO

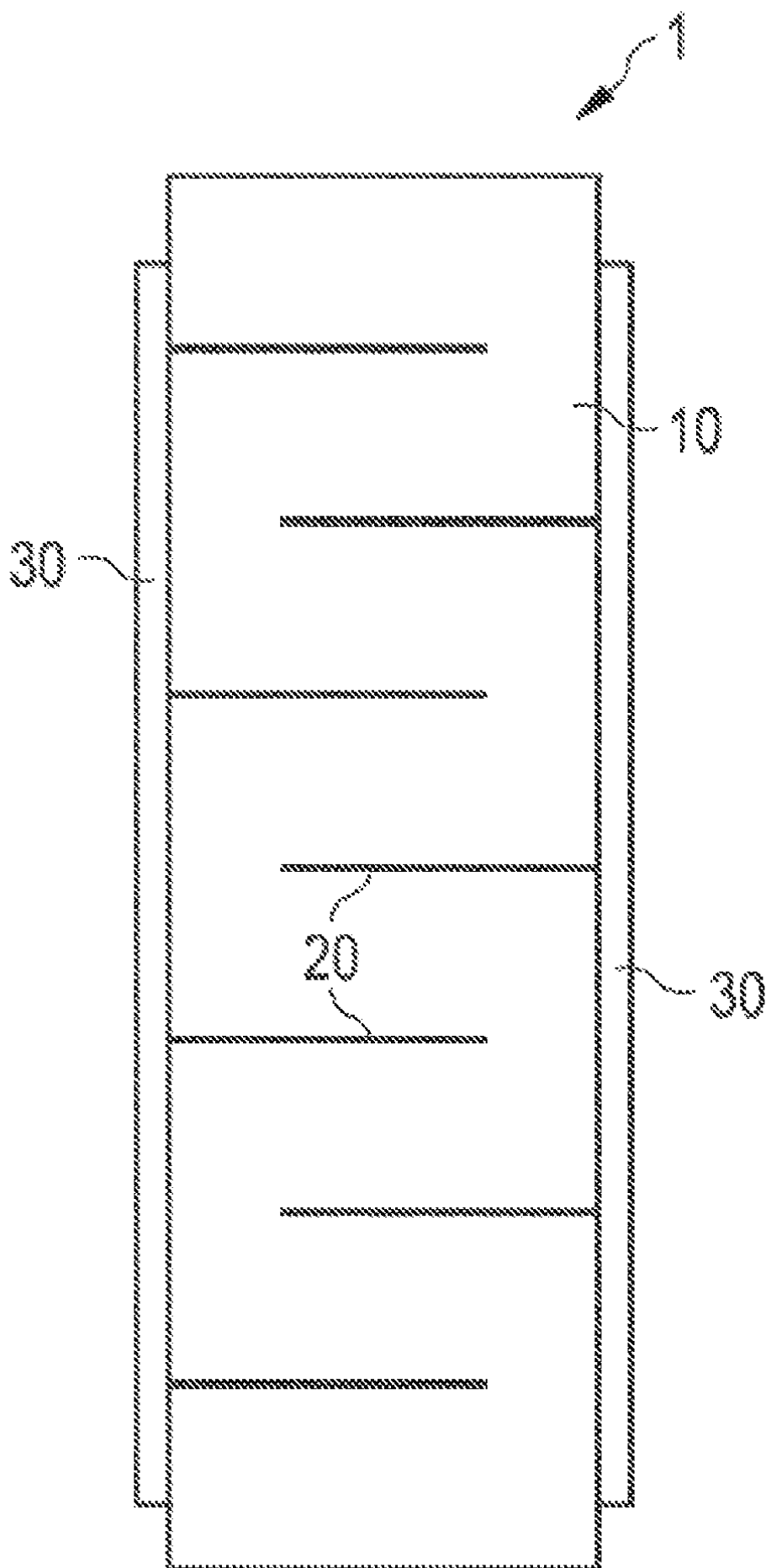
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Title

(EP2773598)

Ceramic material, method for producing the ceramic material, and electroceramic component comprising the ceramic material

Images



Publication data including kind & date

DE102011117709	A1	2013-05-08	DE102011117709				
WO2013064406	A1	2013-05-10	WO201364406				
KR20140097282	A	2014-08-06	KR20140097282				
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KR10-2018-0135082	A	2018-12-19	KR20180135082				
EP2773598	B8	2018-12-26	EP2773598				

Abstract

(EP2773598)

The invention relates to a ceramic material, comprising lead zirconate titanate, which additionally contains K and optionally Cu. The ceramic material can be used in an electroceramic component, such as a piezoelectric actuator. The invention further relates to methods for producing the ceramic material and the electronic component.

Inventors

GLAZUNOV ALEXANDER

FELTZ ADALBERT

Latest standardized assignees - inventors removed

TDK ELECTRONICS

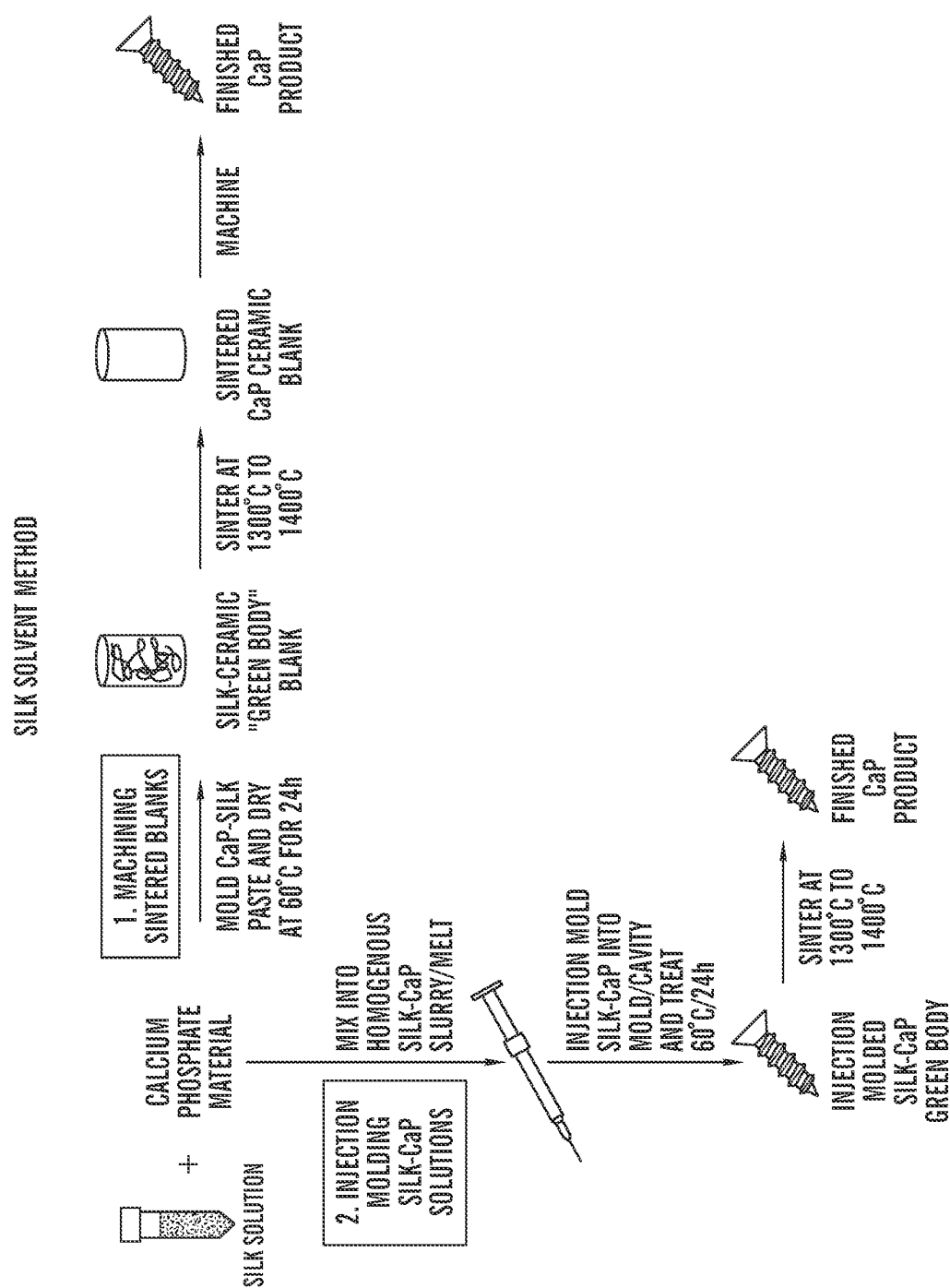
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Title

(WO201466884)

Silk-based fabrication techniques to prepare high strength calcium phosphate ceramic scaffolds

Images

**FIG. 1****Publication data including kind & date**

WO2014066884	A1	2014-05-01	WO201466884
US20150283298	A1	2015-10-08	US20150283298
US9925299	B2	2018-03-27	US9925299

**Abstract**

(WO201466884)

The disclosure provides ceramic materials comprising calcium phosphate material and silk and processes and methods for preparing and uses thereof.

Inventors

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MCNAMARA STEPHANIE

Latest standardized assignees - inventors removed

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Family 6/31 - FAMPAT - ©Questel

Title

(EP1613702)

Thin coating aluminum pigments, method for the production thereof, and use of said aluminum pigments

Images

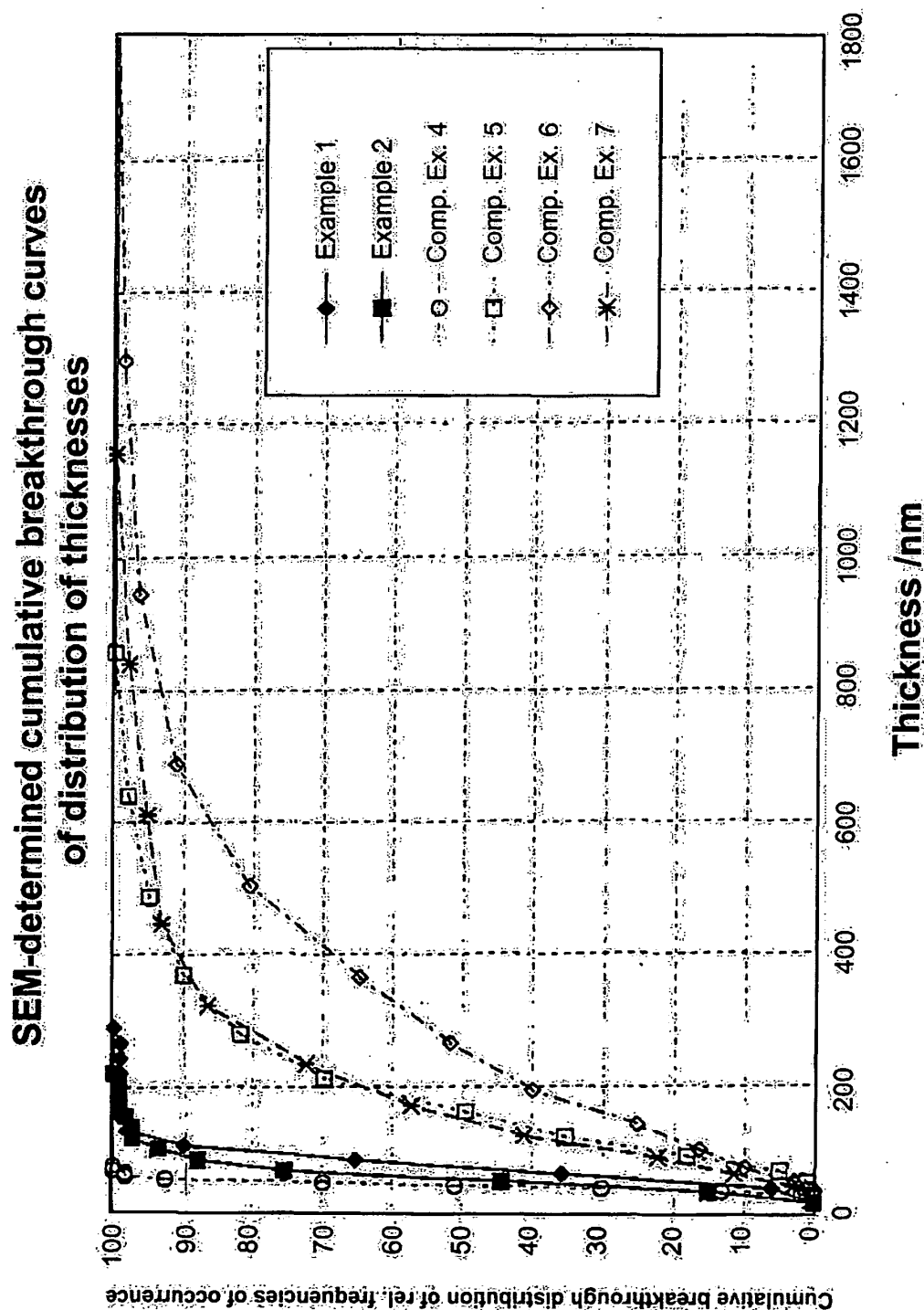


Fig. 1a

Publication data including kind & date

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A2 2004-10-14

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A1 2004-10-14

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Abstract

(EP1613702)

The invention relates to aluminum pigments which are at least partly coated with lubricant. Said aluminum pigments have a) a water spreading coefficient ranging between 40,000 and 130,000 cm/g, b) an average thickness h of less than 100 to 30 nm, said average thickness h being calculated from the water spreading coefficient and by counting the thickness from the h_{50} value of the cumulative passage distribution by means of scanning electron microscopy, c) a relative range of the thickness distribution Δh of 70 to 140 percent, which is determined by counting the thickness by means of scanning electron microscopy and is calculated according to formula (I) based on the corresponding cumulative passage graph of the relative frequencies, d) a form factor d_{50}/h of more than 200, e) a peak-to-valley value of 0.30 to 0.9, said peak-to-valley value being calculated from the specific surface that is measured according to the BET method and the spreading coefficient in accordance with formula $BET \text{ value}/2 \times \text{spreading coefficient}$. The invention further relates to a method for producing said aluminum pigments and uses thereof.

Inventors

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Latest standardized assignees - inventors removed

ECKART

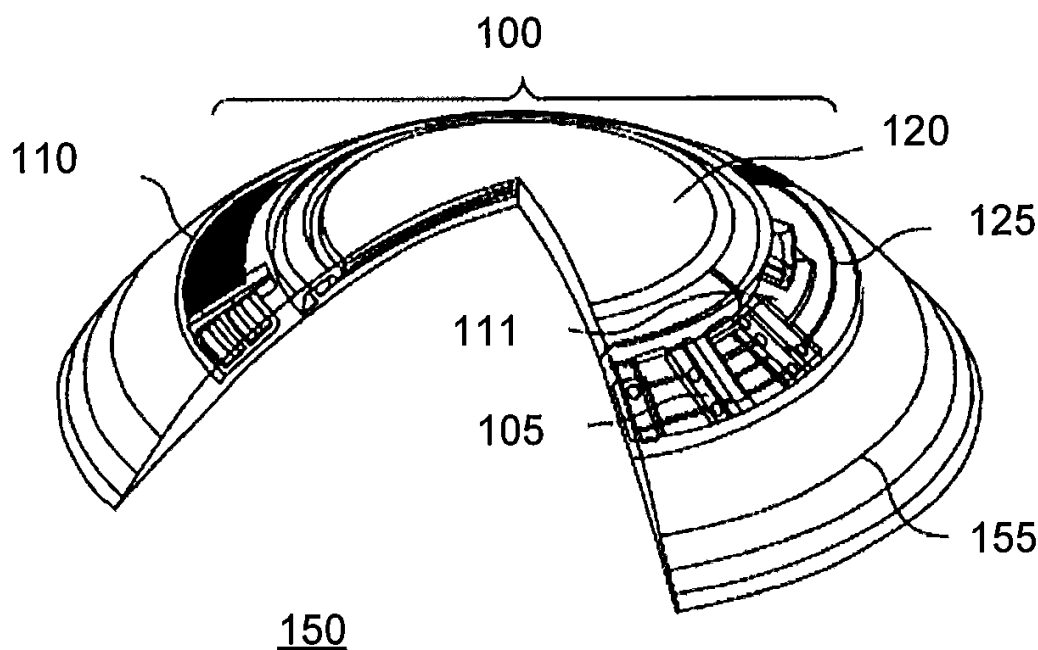
Family 7/31 - FAMPAT - ©Questel

Title

(EP3419078)

Methods and apparatus to form biocompatible energization primary elements for biomedical devices with electroless sealing layers

Images



Publication data including kind & date

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Abstract

(EP3419078)

Methods and apparatus to form biocompatible energization elements are described. In some embodiments, the methods and apparatus to form the biocompatible energization elements involve forming cavities comprising active cathode chemistry. The active elements of the cathode and anode are sealed with a laminate stack of biocompatible material. In some embodiments, a field of use for the methods and apparatus may include any biocompatible device or product that requires energization elements.

Inventors

FLITSCH FREDERICK A

MUTHU MILLBURN EBENEZER

PUGH RANDALL B

TONER ADAM

WEINSTEIN LAWRENCE EDWARD

Latest standardized assignees - inventors removed

JOHNSON & JOHNSON VISION CARE

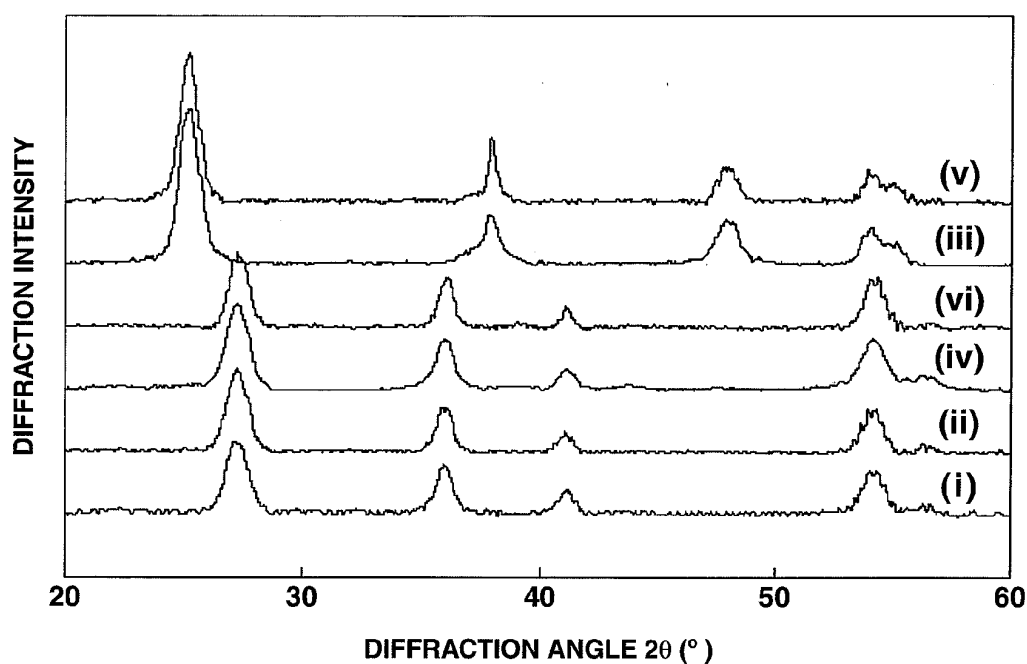
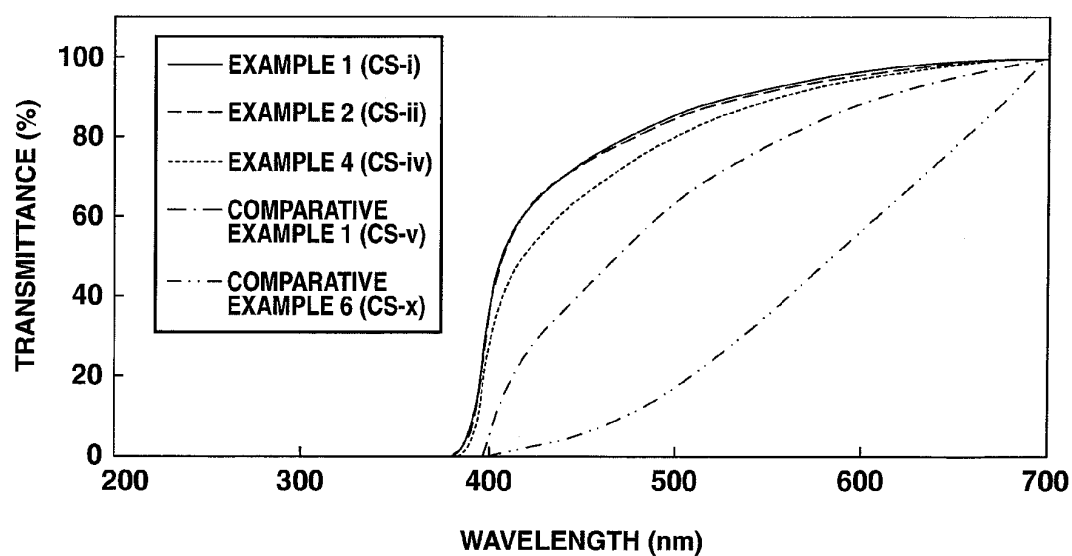
Family 8/31 - FAMPAT - ©Questel

Title

(EP2708513)

Core/shell type tetragonal titanium oxide particle water dispersion, making method, uv-shielding silicone coating composition and coated article

Images

FIG.1**FIG.2****Publication data including kind & date**

US20140023855	A1	2014-01-23	US20140023855
KR20140011959	A	2014-01-29	KR20140011959
JP2014019611	A	2014-02-03	JP2014019611
CN103571255	A	2014-02-12	CN103571255
EP2708513	A1	2014-03-19	EP2708513
EP2708513	B1	2014-10-15	EP2708513
JP5704133	B2	2015-03-06	JP5704133
CN103571255	B	2017-07-14	CN103571255B



Abstract

(EP2708513)

Core/shell type tetragonal titanium oxide particles consisting of a nanosized core of tetragonal titanium oxide having tin and manganese incorporated in solid solution and a shell of silicon oxide around the core are dispersed in an aqueous dispersing medium. The cores and the core/shell type titanium oxide particles have an average particle size of ≈ 30 nm and ≈ 50 nm, respectively. The amount of tin or manganese in solid solution is to provide a molar ratio Ti/Sn or Ti/Mn between 10 and 1,000.

Inventors

MASUDA KOHEI

HIGUCHI KOICHI

KOMORI HISATOSHI

FURUDATE MANABU

INOUE TOMOHIRO

EGUCHI YOSHITSUGU

Latest standardized assignees - inventors removed

SHIN ETSU CHEMICAL

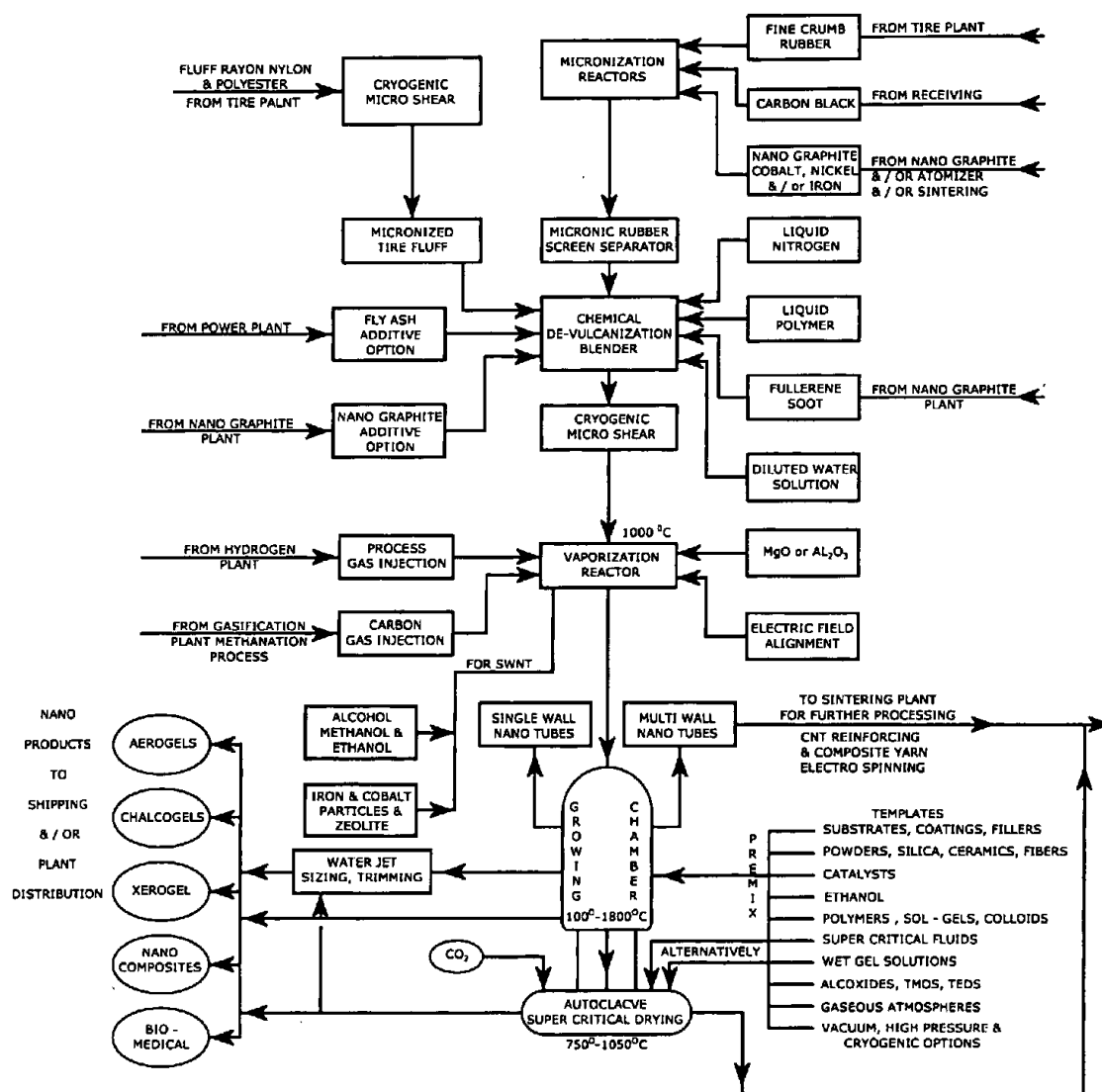
Family 9/31 - FAMPAT - ©Questel

Title

(WO2014153570)

New and improved system for processing various chemicals and materials

Images

CELL 3
NANO PLANT

Publication data including kind & date

WO2014153570	A2	2014-09-25	WO2014153570
WO2014153570	A3	2015-02-19	WO2014153570
WO2014153570	A9	2015-08-06	WO2014153570
US20160045841	A1	2016-02-18	US20160045841



Abstract

(WO2014153570)

Eco-friendly systems, methods and processes/processing (EFSMP) or an integrated Matrix encompasses stand-alone and/or interconnected modules for completely self-sustained, closed-loop, emission-free processing of multiple source feedstock that can include pretreatment, with poisoning materials isolated during pretreatment being further recycled to provide useful materials such as, for example, separated metals, carbon and fullerenes for production of nano materials, sulfur, water, sulfuric acid, gas, heat and carbon dioxide for energy production, and production of refined petroleum, at a highly-reduced cost over the best state-of-the-art refining methods/systems that meets new emissions standards as well as optimizes production output with new ultra-speed cycle times. By-products from the petroleum refining process which were previously discarded also now are recycled as renewable sources of energy (water, waste oil and rubber/coal derived pyrolytic (pyro lysis) oil, carbon gases and process gases), or recyclable resources, such as metals and precious metals, oxides, minerals, etc., can be obtained.

Inventors

KALPAN ALLEN

BRADLEY RANDALL

Latest standardized assignees - inventors removed

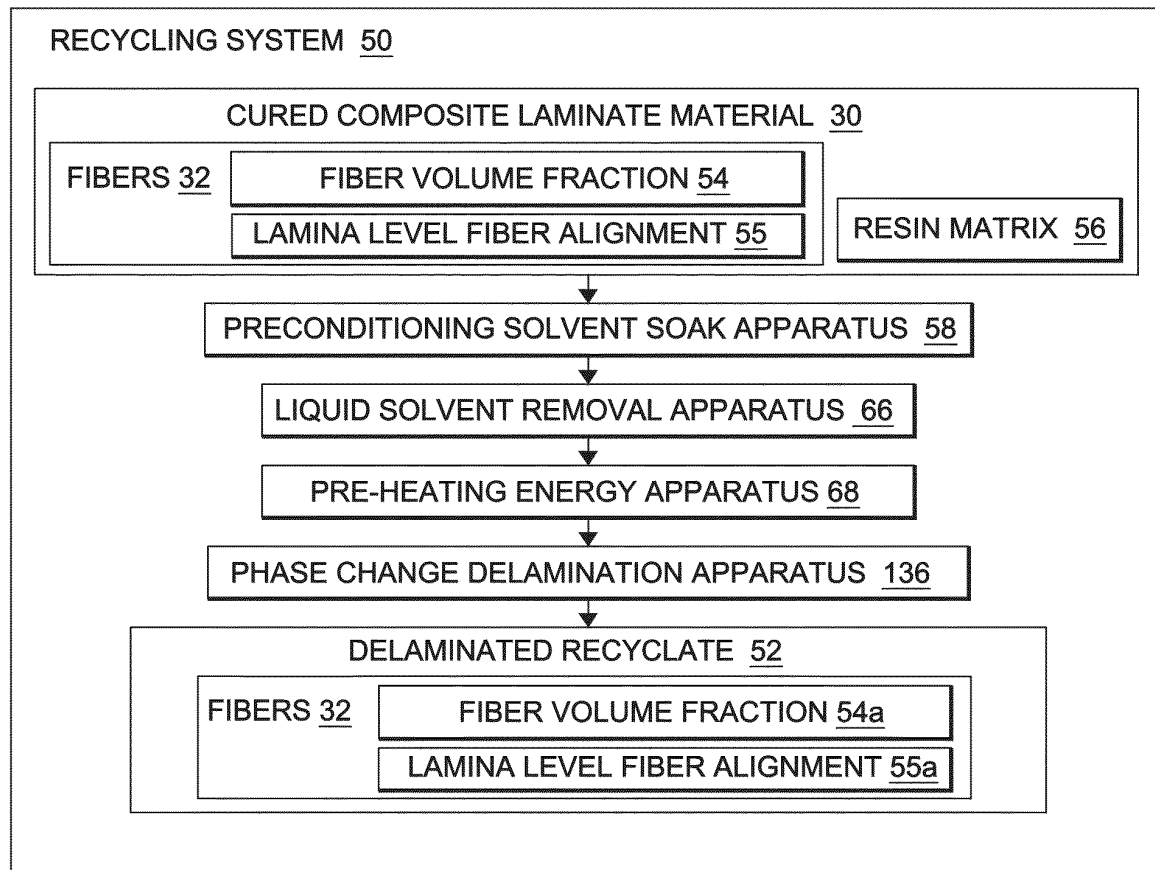
TRANSTAR

Family 10/31 - FAMPAT - ©Questel

Title

(EP2591900)

Methods and Systems for the Recycling of Laminated Materials

Images**Publication data including kind & date**

CN103101127	A	2013-05-15	CN103101127
EP2591900	A1	2013-05-15	EP2591900
US20130118691	A1	2013-05-16	US20130118691
JP2013103223	A	2013-05-30	JP2013103223
US8863809	B2	2014-10-21	US8863809
EP2591900	B1	2015-04-08	EP2591900
ES2535515	T3	2015-05-12	ES2535515
CN103101127	B	2017-04-19	CN103101127B
JP6144034	B2	2017-06-07	JP6144034

**Abstract**

(EP2591900)

In an embodiment of the disclosure, there is provided a method and system for recycling a cured composite laminate material into a delaminated recyclate that maintains a fiber volume fraction and a lamina level fiber alignment substantially the same as in the cured composite laminate material. The method uses a cured composite laminate material having a fiber volume fraction and a lamina level fiber alignment. The cured composite laminate material undergoes solvent soak preconditioning, liquid solvent removal, pre-heating, and rapid heating with phase change delamination of the cured composite laminate material to obtain the delaminated recyclate that maintains a fiber volume fraction and a lamina level fiber alignment substantially the same as in the cured composite laminate material.

Inventors

GEORGE PANAGIOTIS EMANUEL

HURLEY KELSI

CARTER ERIKA

Latest standardized assignees - inventors removed

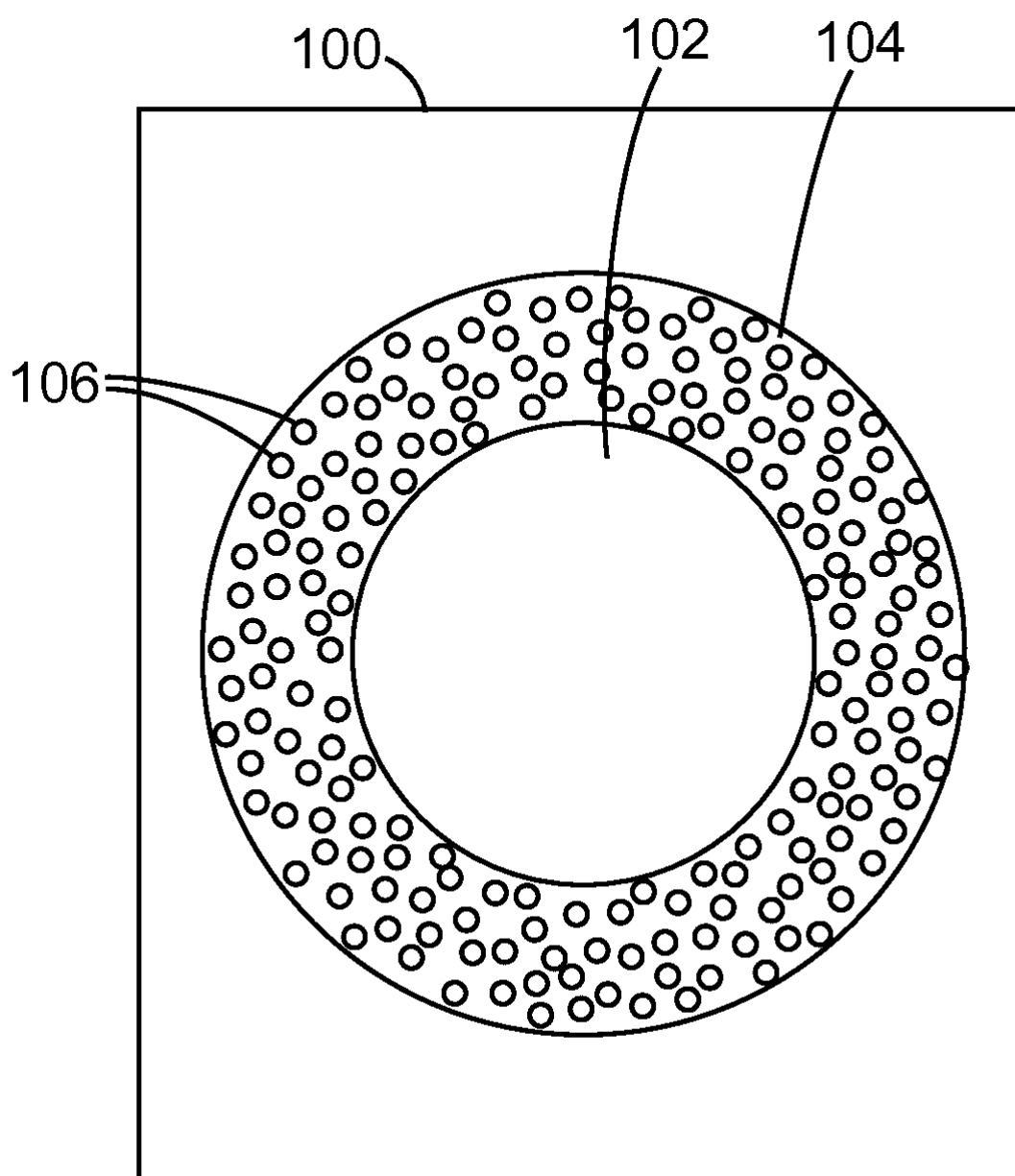
BOEING

Family 11/31 - FAMPAT - ©Questel

Title

(EP2483035)

Abrasive article with solid core and methods of making the same

Images**Publication data including kind & date**

WO2011037776	A2	2011-03-31	WO201137776
US20110073094	A1	2011-03-31	US20110073094
WO2011037776	A3	2011-06-30	WO201137776
TW201134633	A	2011-10-16	TW201134633



SG179121	A1	2012-05-30	SG-179121				
CN102574276	A	2012-07-11	CN102574276				
KR20120088729	A	2012-08-08	KR20120088729				
EP2483035	A2	2012-08-08	EP2483035				
JP2013505842	A	2013-02-21	JP2013505842				
JP5647689	B2	2014-11-14	JP5647689				
CN102574276	B	2015-11-25	CN102574276B				
TWI533988	B	2016-05-21	TWI533988				
EP2483035	A4	2017-09-06	EP2483035				
KR101820177	B1	2018-01-18	KR101820177				

Abstract

(EP2483035)

Abrasive articles and method of making said articles are provided. The articles include an integral resilient member having a first and a second opposed major surface where the member includes a centrally disposed core that is substantially free of abrasive particles and a peripheral annulus that includes a plurality of abrasive zones that comprise abrasive particles. The particles protrude through at least one major surface of the integral member.

Inventors

TSELESIN NAUM

GOERS BRIAN D

Latest standardized assignees - inventors removed

3M

Family 12/31 - FAMPAT - ©Questel

Title

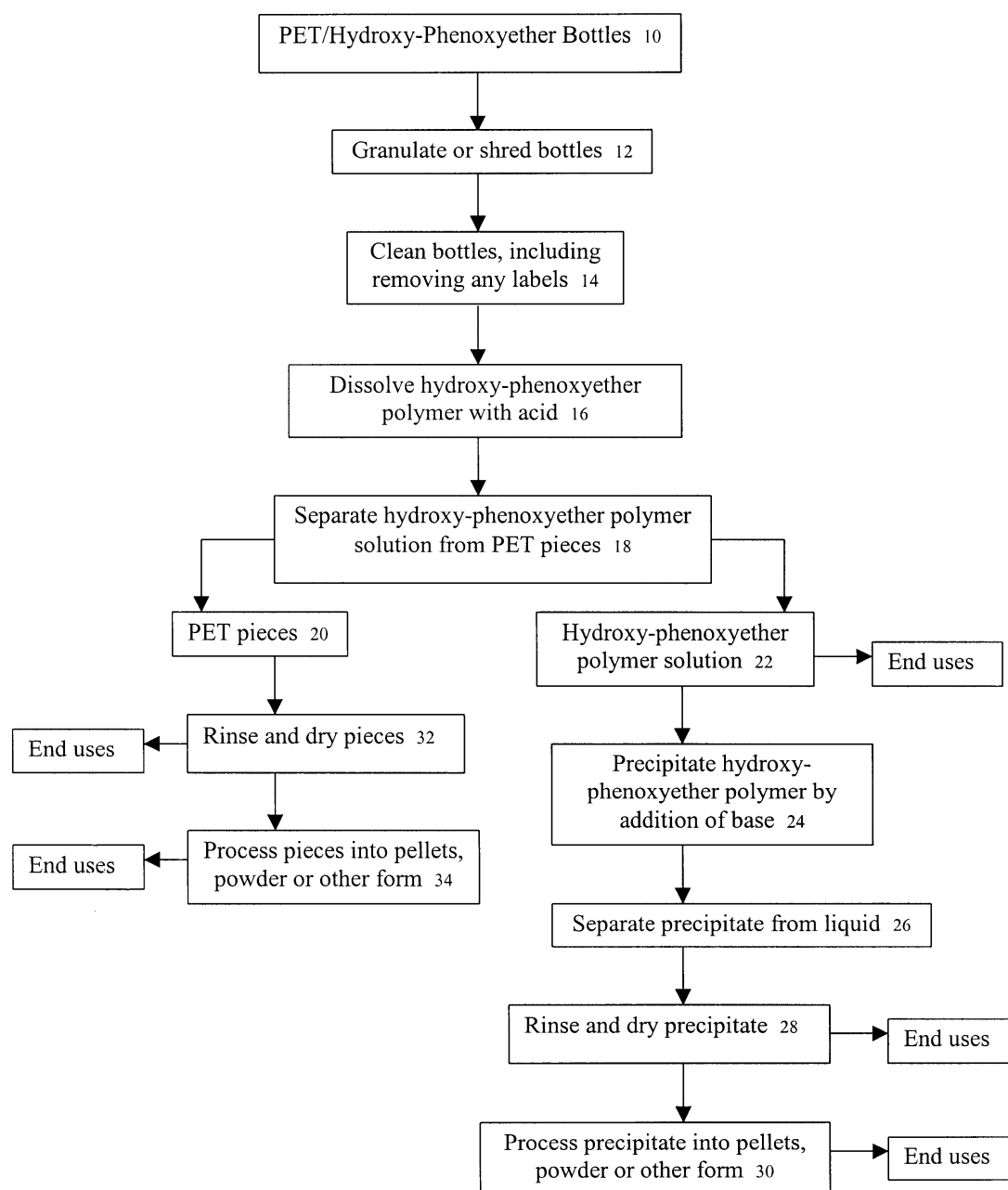
(EP1278912)

Hydroxy-phenoxyether polymers in papermaking

Images

Figure 1

Recycling Process for Barrier Bottles made of PET and Hydroxy-Phenoxyether Polymers



Publication data including kind & date

WO200146523	A2	2001-06-28	WO200146523
WO200146305	A2	2001-06-28	WO200146305
WO200146303	A2	2001-06-28	WO200146303
WO200145941	A2	2001-06-28	WO200145941
AU2909901	A	2001-07-03	AU200129099
AU2586201	A	2001-07-03	AU200125862
AU2731601	A	2001-07-03	AU200127316
AU2731301	A	2001-07-03	AU200127313
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WO200145941	A3	2002-01-03	WO200145941



US20020019449	A1	2002-02-14	US20020019449				
WO200146523	A3	2002-05-02	WO200146523				
WO200146303	A3	2002-05-10	WO200146303				
US20020100566	A1	2002-08-01	US20020100566				
EP1272346	A2	2003-01-08	EP1272346				
EP1278912	A2	2003-01-29	EP1278912				
US6528546	B2	2003-03-04	US6528546				
US20030220036	A1	2003-11-27	US20030220036				
EP1278912	B1	2007-05-09	EP1278912				
AT362012	T	2007-06-15	ATE362012				
DE60034819	D1	2007-06-21	DE60034819				
ES2287046	T3	2007-12-16	ES2287046				
DE60034819	T2	2008-01-17	DE60034819				

Abstract

(EP1278912)

Paper comprised of suitable amounts of a hydroxy-phenoxyether polymer is effective to provide that paper with an increase in sizing or strength. Such paper may be prepared by intermixing dispersions or solutions of hydroxy-phenoxyether polymer with the pulp slurry or web during papermaking, or by application to formed paper. Paper may be coated or laminated by applying such dispersions or solutions.

Inventors

LEE ROBERT A

HUTCHINSON GERALD A

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KLASS CHARLES P

Latest standardized assignees - inventors removed

ADVANCED PLASTICS TECHNOLOGIES LUXEMBOURG

Family 13/31 - FAMPAT - ©Questel

Title

(WO200622100)

Graphite material, method for producing same, negative electrode material for lithium ion secondary battery, negative electrode for lithium ion secondary battery, and lithium ion secondary battery

Images



A 4x10 grid of icons representing various file formats and document types. The icons are arranged in four rows and ten columns. The first row contains icons for PDF, Word, Excel, PowerPoint, and other document formats. The second row contains icons for image files (JPG, PNG, GIF, etc.). The third row contains icons for video files (MP4, AVI, etc.). The fourth row contains icons for audio files (MP3, WAV, etc.).

IJIRI MAKIKO

HATANO HITOMI

JFE CHEMICAL

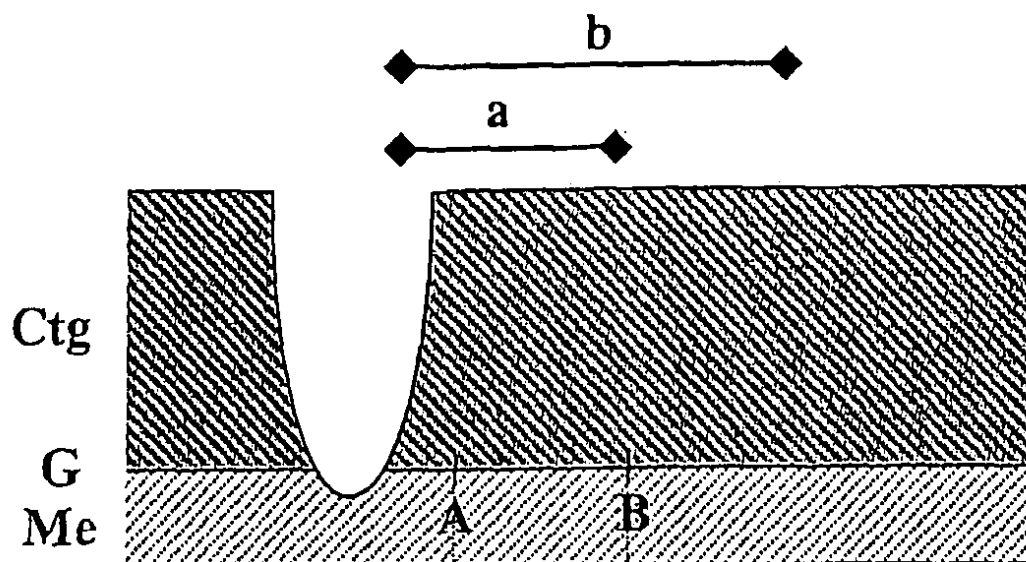
Family 14/31 - FAMPAT - ©Questel

Title

(EP1779392)

Process for coating fine particles with conductive polymers

Images



WO2006015757	A1	2006-02-16	WO200615757
CA2575927	A1	2006-02-16	CA2575927
WO2006015756	A1	2006-02-16	WO200615756
WO2006015754	A2	2006-02-16	WO200615754
CA2576253	A1	2006-02-16	CA2576253
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DE102004037542	A1	2006-02-23	DE102004037542
WO2006015754	A3	2006-03-16	WO200615754
MX2007001376	A	2007-04-10	MX2007001376
MX2007001362	A	2007-04-16	MX2007001362
EP1776196	A2	2007-04-25	EP1776196
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EP1778413	A1	2007-05-02	EP1778413
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CN101036198	A	2007-09-12	CN101036198
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BRPI0513088	A	2008-04-29	BR200513088
BRPI0513088	A1	2008-04-29	BRPI0513088



BRPI0513098	A	2008-04-29	BR200513098				
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BRPI0513094	A1	2008-04-29	BRPI0513094				
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BRPI0513094	A2	2012-06-12	BR200513094				
EP1779392	B1	2012-06-13	EP1779392				
CN101035630	B	2012-07-04	CN101035630B				
US20120208086	A1	2012-08-16	US20120208086				
CN101036198	B	2013-04-17	CN101036198B				
EP1778413	B1	2016-03-16	EP1778413				
ES2570986	T3	2016-05-23	ES2570986				

Abstract

(EP1779392)

A process is disclosed for coating fine particles, in which the feed mixture contains: at least one monomer and/or at least one oligomer selected from monomers and/or oligomers of aromatic compounds and/or unsaturated hydrocarbon compounds suitable for forming an electroconductive oligomer, polymer, copolymer, block copolymer or graft copolymer; at least one type of anions which (1) are and/or can be incorporated as doping ions into the structure of the conductive polymer; (2) can be discharged from said structure in the event of a potential fall of the conductive polymer (reduction); and (3) can have an anti-corrosive effect in the presence of a metallic surface; at least one type of particles; if necessary, at least one oxidising agent and water and/or at least another solvent. A coating is formed from the feed mixture on the particle surface, the feed mixture being converted by oxidation into a conductive polymer in the presence of at least one type of mobile anti-corrosive anions. Alternatively, the fine particles are coated with a product mixture that contains a conductive polymer.

Inventors

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HEBESTREIT NILS

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ROHWERDER MICHAEL

ADLER HANS-JUERGEN

POTJE-KAMLOTH KARIN

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PICH ANDRIJ

DOMES HERIBERT

SCHNEIDER JULIA

PALIWODA-PROBESKA GRAZYNA

Latest standardized assignees - inventors removed

CHEMETALL

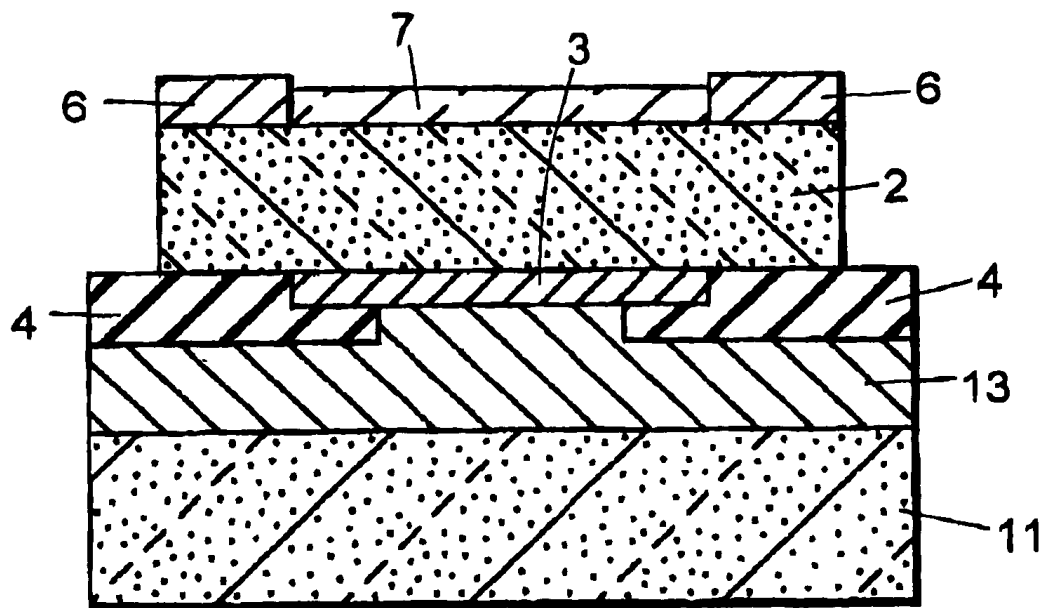
Family 15/31 - FAMPAT - ©Questel

Title

(EP2262008)

Nitride semiconductor element with supporting substrate and method for producing nitride semiconductor element

Images



Publication data including kind & date

US20030141506	A1	2003-07-31	US20030141506				
WO03065464	A1	2003-08-07	WO200365464				
JPWO2003065464	A1	2003-08-07	JP2003065464W				
CA2754097	A1	2003-08-07	CA2754097				
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TW200305280	A	2003-10-16	TW200305280				
US6744071	B2	2004-06-01	US6744071				
US20040104390	A1	2004-06-03	US20040104390				
KR20040073434	A	2004-08-19	KR20040073434				
EP1471583	A1	2004-10-27	EP1471583				
US20050035364	A1	2005-02-17	US20050035364				
CN1613156	A	2005-05-04	CN1613156				
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US6946683	B2	2005-09-20	US6946683				
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EP1471583	A4	2006-09-13	EP1471583				
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AT445233	T	2009-10-15	ATE445233				

DE60329576	D1	2009-11-19	DE60329576				
EP2262008	A2	2010-12-15	EP2262008				
EP2262007	A2	2010-12-15	EP2262007				
EP2262007	A3	2011-03-09	EP2262007				
EP2262008	A3	2011-03-16	EP2262008				
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EP2105977	B1	2014-06-25	EP2105977				
EP2262008	B1	2015-12-16	EP2262008				
EP2262007	B1	2016-11-23	EP2262007				

Abstract

(EP2262008)

A method comprises a step for growing nitride semiconductor layers on a different material substrate; subsequently, a step for attaching a supporting substrate (11) to the nitride semiconductor layers; and subsequently, a step for eliminating the different material substrate. A conductive layer (13) is formed by a eutectic junction in the step for attaching. The step for eliminating the different material substrate is performed by laser irradiation, polishing, or chemical polishing. The method further comprises a step for breaking the nitride semiconductor layers into chips by etching an exposed surface of the nitride semiconductor layers after the step for eliminating the different material substrate. The method further comprises a step for forming an asperity portion on the exposed surface of the nitride semiconductor layers after the step for eliminating the different material substrate.

Inventors

SANO MASAHIKO

NONAKA MITSUHIRO

KAMADA KAZUMI

YAMAMOTO MASASHI

Latest standardized assignees - inventors removed

NICHIA

Family 16/31 - FAMPAT - ©Questel

Title

(EP1762544)

Precipitated silica with a specific pore size distribution

Images

silicate and acidifying agent into the submittal under intensive stirring at 55-85[deg]C to increase viscosity of the solution, (c) terminating the reaction after the addition that takes place for 35-85 minutes, preferably after reaching the temperature of step (b), (d) again adding alkali and/or alkaline-earth silicate and an acidifying agent under agitation at 55-85[deg]C to attain a solid content of 90-140 g/l, (e) adjusting pH of the solution to 2.5-5 by adding the acidifying agent and (f) filtering and drying; (2) vulcanizable rubber mixture and vulcanizate comprising the precipitated silicic acid as filler; and (3) a tire comprising at least a precipitated silicic acid.

Inventors

STENZEL OLEG DR

BLUME ANKE DR

LUGINSLAND HANS-DETLEF DR

SCHMOLL RALF DR

THOMA HERBERT

UHRLANDT STEFAN DR

WEHMEIER ANDRE

Latest standardized assignees - inventors removed

EVONIK DEGUSSA

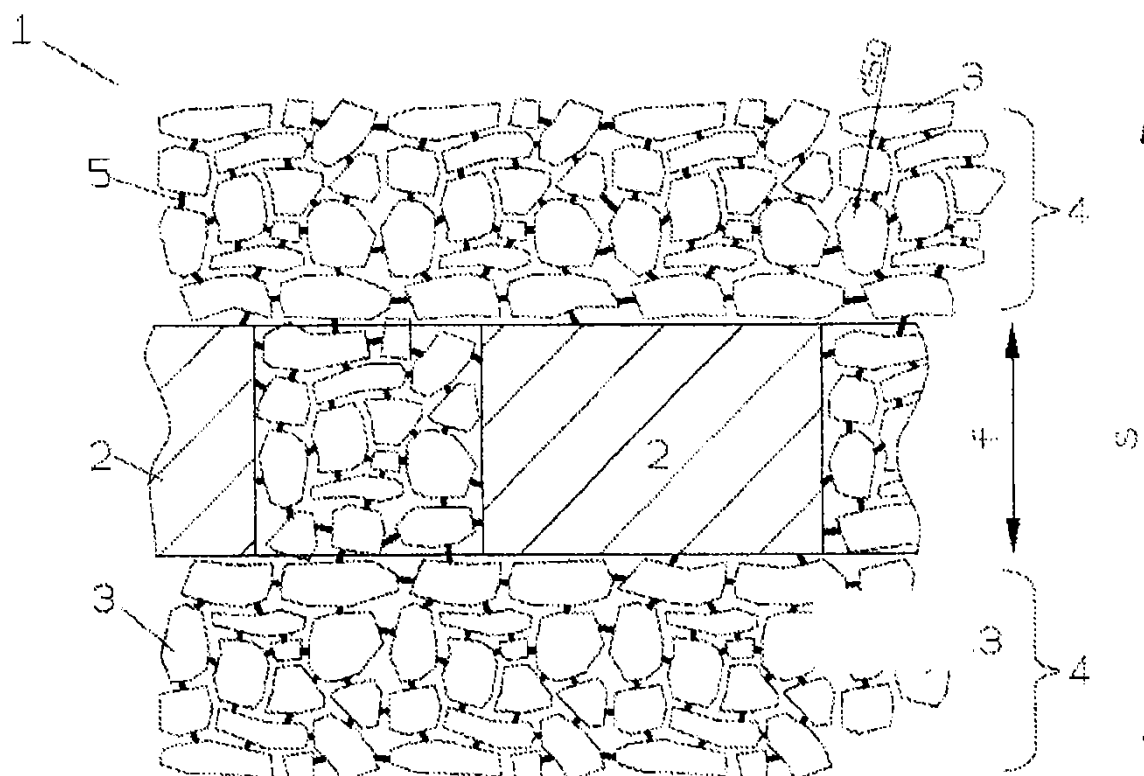
Family 17/31 - FAMPAT - ©Questel

Title

(EP2425476)

Production and use of ceramic composite materials based on a polymeric carrier film

Images



Publication data including kind & date

WO2010124892	A1	2010-11-04	WO2010124892
DE102009002680	A1	2010-11-04	DE102009002680
EP2425476	A1	2012-03-07	EP2425476
KR20120024566	A	2012-03-14	KR20120024566
CN102414869	A	2012-04-11	CN102414869



JP2012525452	A	2012-10-22	JP2012525452
US20120308871	A1	2012-12-06	US20120308871
JP5717723	B2	2015-03-27	JP5717723
CN102414869	B	2015-04-29	CN102414869B

**Abstract**

(EP2425476)

The invention relates to a ceramic composite material (1), comprising a planar carrier substrate (2) and a porous coating (4) that is applied onto the carrier substrate (2) and contains ceramic particles (3). The problem underlying the invention is that of further developing a ceramic composite material of said type such that lower thicknesses can be achieved while maintaining the high thermal and mechanical stability. Said problem is solved by a ceramic composite material having a polymeric film (2) as the carrier substrate (2), wherein the carrier substrate (2) is provided with a perforation that consists of a plurality of holes (6) arranged at regular intervals, and wherein the perforation is covered by the porous coating (4) at least on one side of the carrier substrate (2). A cross-section of the ceramic composite material according to the invention is shown in figure 1.

Inventors

PASCALY MATTHIAS

SCHUSTER MARTIN

HYING CHRISTIAN

HOERPEL GERHARD

HENNIGE VOLKER

Latest standardized assignees - inventors removed

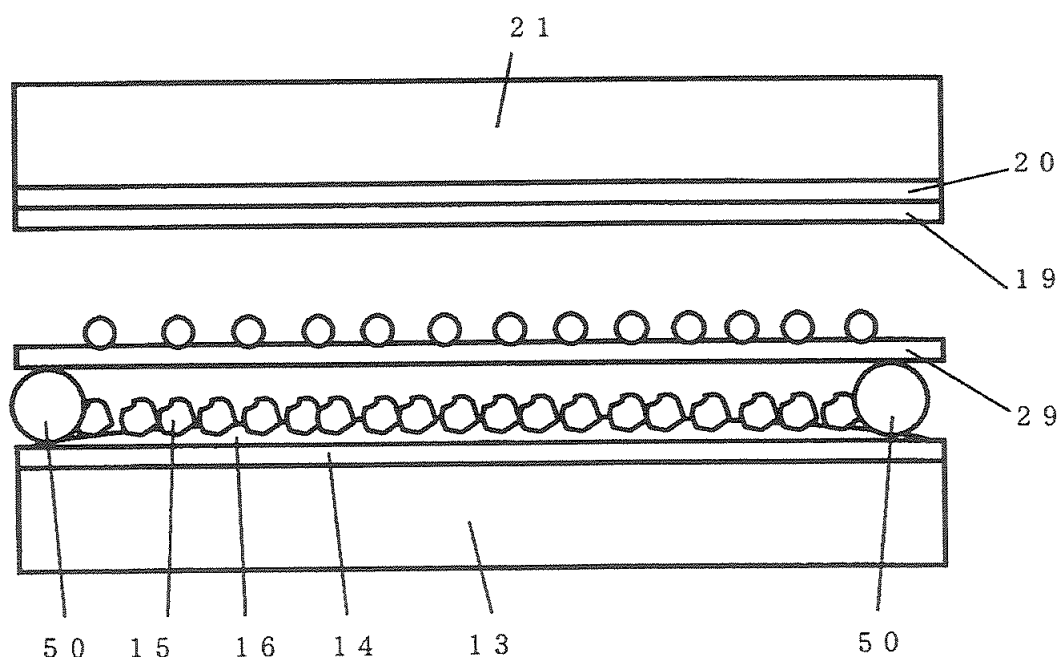
EVONIK LITARION

Family 18/31 - FAMPAT - ©Questel

Title

(EP1876628)

Electron emitter, field emission display unit, cold cathode fluorescent tube, flat type lighting device, and electron emitting material

Images**Publication data including kind & date**

WO2006112455	A1	2006-10-26	WO2006112455
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JPWO2006112455	A1	2006-10-26	JP2006112455W
KR20070120962	A	2007-12-26	KR20070120962
EP1876628	A1	2008-01-09	EP1876628
CN101160638	A	2008-04-09	CN101160638
US20080252194	A1	2008-10-16	US20080252194
EP1876628	A4	2009-11-04	EP1876628
JP5082849	B2	2012-09-14	JP5082849



Abstract

(EP1876628)

To provide an electron emitter, a field emission display unit, a cold cathode fluorescent tube and a flat type lighting device, which employ an electron emitting material producible at a low cost and in a large amount. A conductive mayenite type compound powder containing at least 50 mol% of a mayenite type compound represented by a chemical formula of either $12\text{CaO} \cdot 7\text{Al}_2\text{O}_3$ or $12\text{SrO} \cdot 7\text{Al}_2\text{O}_3$ and having a maximum particle size of at most $100\text{ }\mu\text{m}$, is used as an electron emitter, whereby an electron emitter, a field emission display unit, a cold cathode fluorescent tube and a flat type lighting device, are realized that are easy to produce and capable of emitting electrons even at a low applied voltage and whereby a large current can be obtained per the same applied voltage surface.

Inventors

KUROIWA YUTAKA

NARUSHIMA SATORU

ITO SETSURO

Latest standardized assignees - inventors removed

ASAHI GLASS

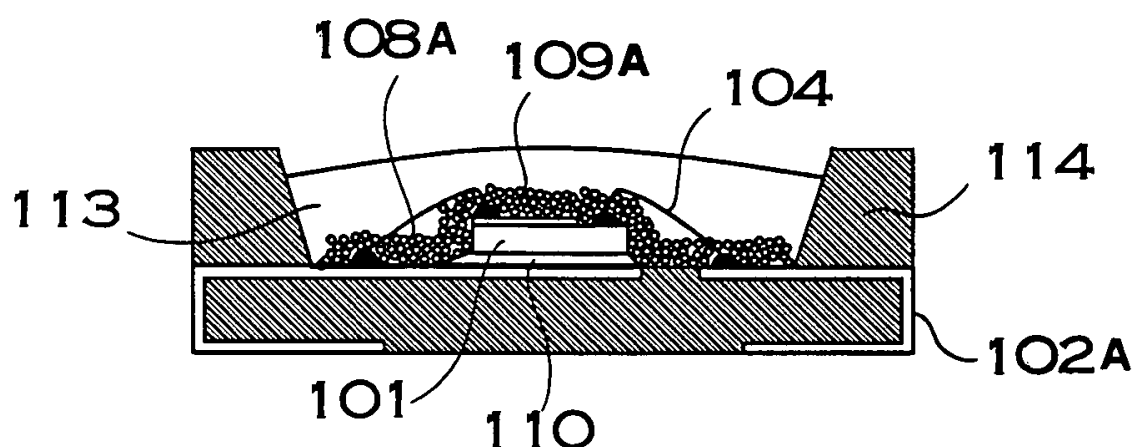
Family 19/31 - FAMPAT - ©Questel

Title

(EP1605028)

Light emitting film, luminescent device, method for manufacturing light emitting film and method for manufacturing luminescent device

Images



Publication data including kind & date

JPWO2004081140	A1	2004-09-23	JP2004081140W
WO2004081140	A1	2004-09-23	WO2004081140
KR20050113226	A	2005-12-01	KR20050113226
EP1605028	A1	2005-12-14	EP1605028
CN1764707	A	2006-04-26	CN1764707
US20060170332	A1	2006-08-03	US20060170332



CN100509994	C	2009-07-08	CN100509994C
EP1605028	A4	2010-03-24	EP1605028
US7923918	B2	2011-04-12	US7923918
KR101142725	B1	2012-05-04	KR101142725
EP1605028	B1	2016-12-07	EP1605028



Abstract

(EP1605028)

The present invention provides a reliable, long-life phosphor, or the like, which is prevented from darkening due to aging. A light emitting apparatus has a light emitting element and a phosphor layer. The phosphor layer has a phosphor excited by light from the light emitting element, and a binder which binds the phosphor. The binder is hydroxide oxide gel obtained by curing sol of a hydroxide oxide mixed with sol containing at least one metallic element selected from the group consisting of Al, Y, Gd, Lu, Sc, Ga, In, and B. Transmittance of hydroxide oxide in a gel state is higher than the transmittance in the polycrystal state where the sol-gel reaction is proceeded. In addition, the content of hydroxyl group or water of crystallization in the hydroxide oxide is 10% or less by weight.

Inventors

TAMAKI H

SOFUE S

IZUNO K

TAKEICHI J

Latest standardized assignees - inventors removed

NICHIA

Family 20/31 - FAMPAT - ©Questel

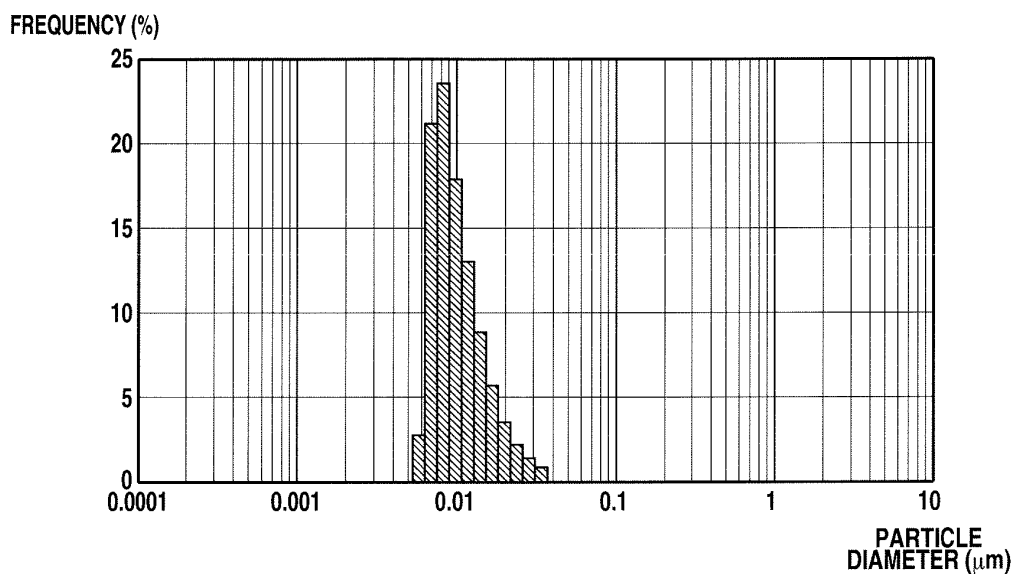
Title

(EP2868717)

Titania-containing coating composition and coated article

Images

FIG.1



Publication data including kind & date

EP2868717	A1	2015-05-06	EP2868717				
US20150125707	A1	2015-05-07	US20150125707				
KR20150051154	A	2015-05-11	KR20150051154				
CN104610877	A	2015-05-13	CN104610877				
TW201533173	A	2015-09-01	TW201533173				
IN3086DE2014	A	2015-09-25	IN2014DE03086				
JP2015212355	A	2015-11-26	JP2015212355				
EP2868717	B1	2017-04-19	EP2868717				
TWI593762	B	2017-08-01	TWI593762				
JP6269439	B2	2018-01-31	JP6269439				

Abstract

(EP2868717)

A coating composition is provided comprising (A) 1-50 parts by weight of surface-treated titanium oxide comprising core/shell type microparticles each consisting of a titanium oxide core and a silicon oxide shell, which are treated with two surface treating components having formula (I): $R_1Si(OR_2)_3$ and formula (II): $(R_3R_4)_2SiNH_2$, (B) 100 parts by weight of a vinyl copolymer obtained from copolymerization of (b-1) an alkoxysilyl-containing vinyl monomer, (b-2) a UV-absorbing vinyl monomer, and (b-3) another monomer, and (C) a solvent. A cured film of the composition has improved mar resistance and UV shielding while maintaining visible light transparency.

Inventors

MASUDA KOHEI

AOKI YUKIMASA

HIGUCHI KOICHI

Latest standardized assignees - inventors removed

SHIN ETSU CHEMICAL

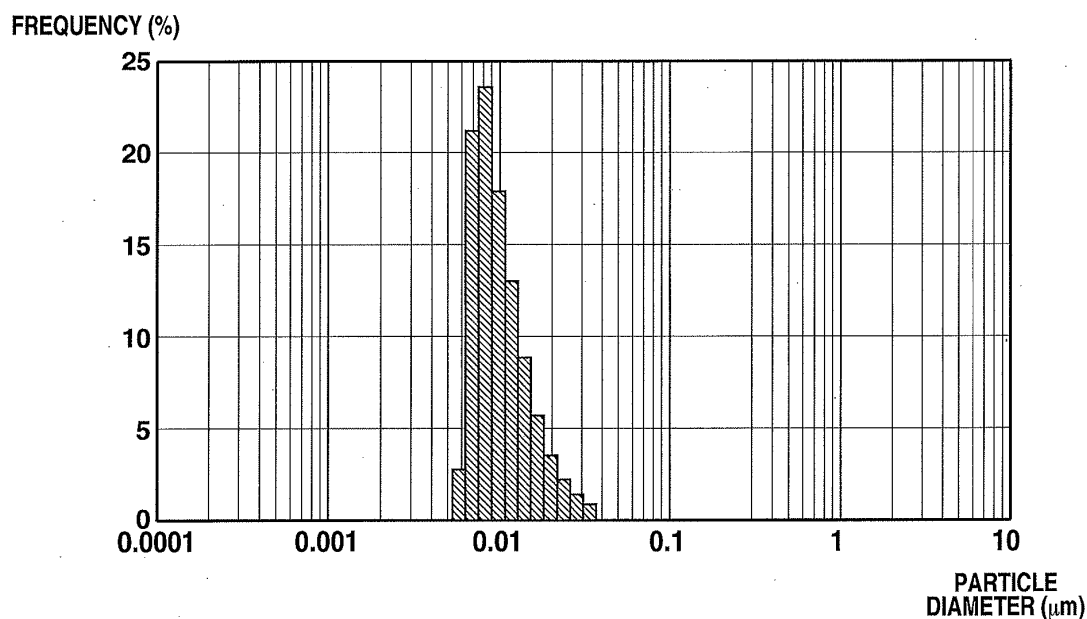
Family 21/31 - FAMPAT - ©Questel

Title

(EP2865720)

Photocurable coating composition, laminate, and automotive headlamp covering sheet

Images

FIG.1**Publication data including kind & date**

EP2865720	A1	2015-04-29	EP2865720
CN104559364	A	2015-04-29	CN104559364
US20150118483	A1	2015-04-30	US20150118483
KR20150047429	A	2015-05-04	KR20150047429
TW201529767	A	2015-08-01	TW201529767
JP2015212354	A	2015-11-26	JP2015212354
EP2865720	B1	2017-05-03	EP2865720
JP6269429	B2	2018-01-31	JP6269429
TWI633161	B	2018-08-21	TWI633161

**Abstract**

(EP2865720)

A photocurable coating composition is provided comprising (1) surface-treated titanium oxide comprising core/shell type microparticles each consisting of a titanium oxide core and a silicon oxide shell, which are treated with two surface treating components having formula (I): $R_1Si(OR_2)_3$ wherein R_1 is an organic group which may have a (meth)acrylic moiety, and R_2 is alkyl, and formula (II): $(R_3R_4)_2Si_2NH$ wherein R_3 is an organic group which may have a (meth)acrylic moiety, and R_4 is alkyl, (2) a photopolymerizable monomer or oligomer, and (3) a photoinitiator. The composition has good transparency and mar resistance despite titanium oxide loading.

Inventors

MASUDA KOHEI
HIGUCHI KOICHI
YOSHIKAWA YUJI

Latest standardized assignees - inventors removed

SHIN ETSU CHEMICAL

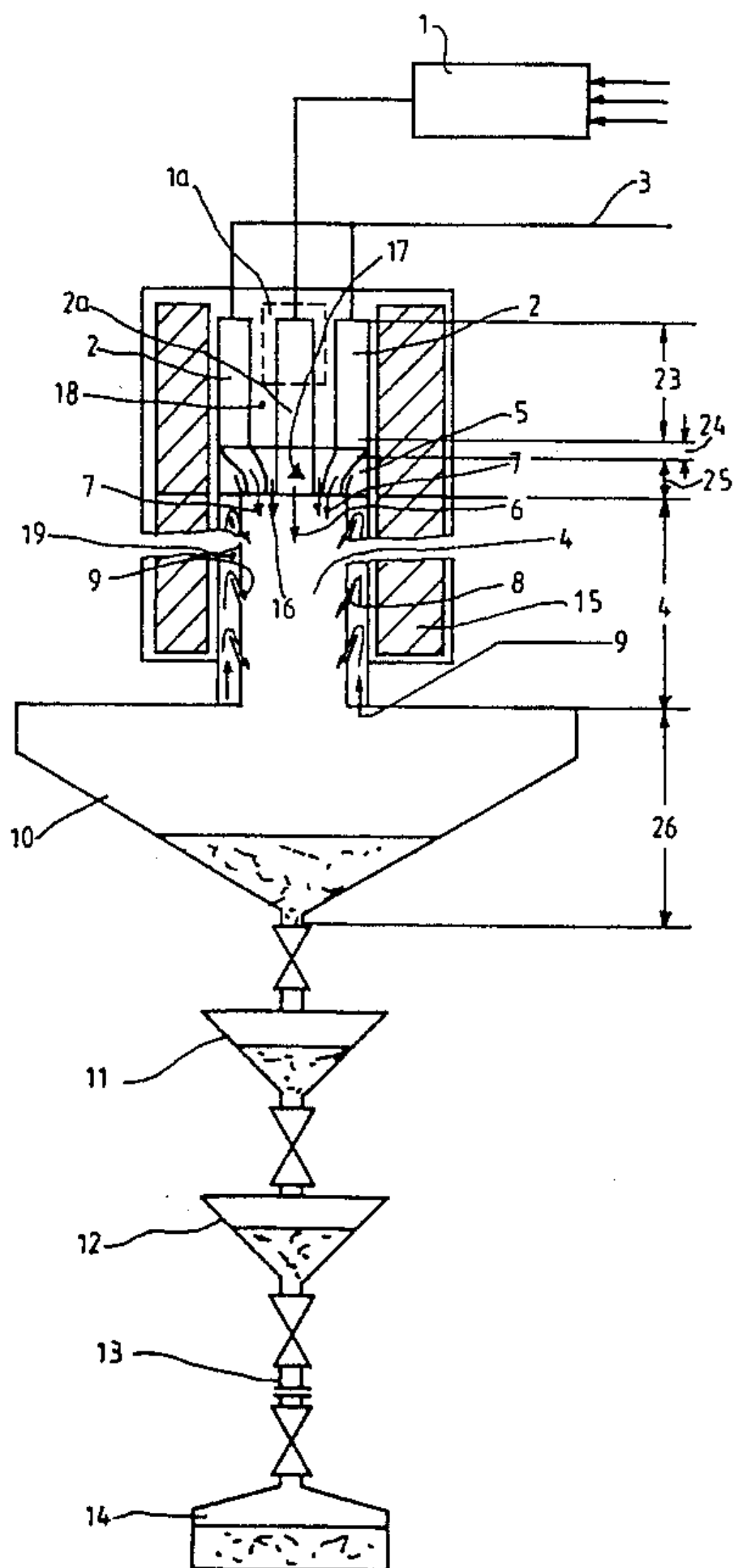
Family 22/31 - FAMPAT - ©Questel

Title

(US5472477)

Process for the preparation of finely divided metal and ceramic powders

Images



Publication data including kind & date

SE9301466	D0	1993-04-29	SE9301466				
IL105592	A	1993-09-22	IL-105592				
SE9301466	L	1993-11-05	SE9301466				
DE4214719	A1	1993-11-11	DE4214719				
KR19930023096	A	1993-12-18	KR19930023096				
JP06049514	A	1994-02-22	JP06049514				
DE4214719	C2	1995-02-02	DE4214719				
US5472477	A	1995-12-05	US5472477				
IL105592	B	1996-12-05	IL-105592				
ATA83493	A	1999-03-15	AT9300834				
SE510818	C2	1999-06-28	SE-510818				
AT405723	B	1999-11-25	AT-405723				
KR100251665	B1	2000-04-15	KR100251665				

Abstract

(US5472477)

The present invention relates to a process for the preparation of finely divided metal and/or ceramic powders by reacting appropriate metal compounds and appropriate reagents in the gas phase (CVR) chemical vapor reaction, wherein the metal compound(s) and the further reagents are brought to reaction in the gaseous state in a reactor and are subsequently homogeneously condensed directly out of the gas phase, with exclusion of any wall reaction, and are subsequently separated from the reaction medium.

Inventors

KOENIG THEO

Latest standardized assignees - inventors removed

HC STARCK

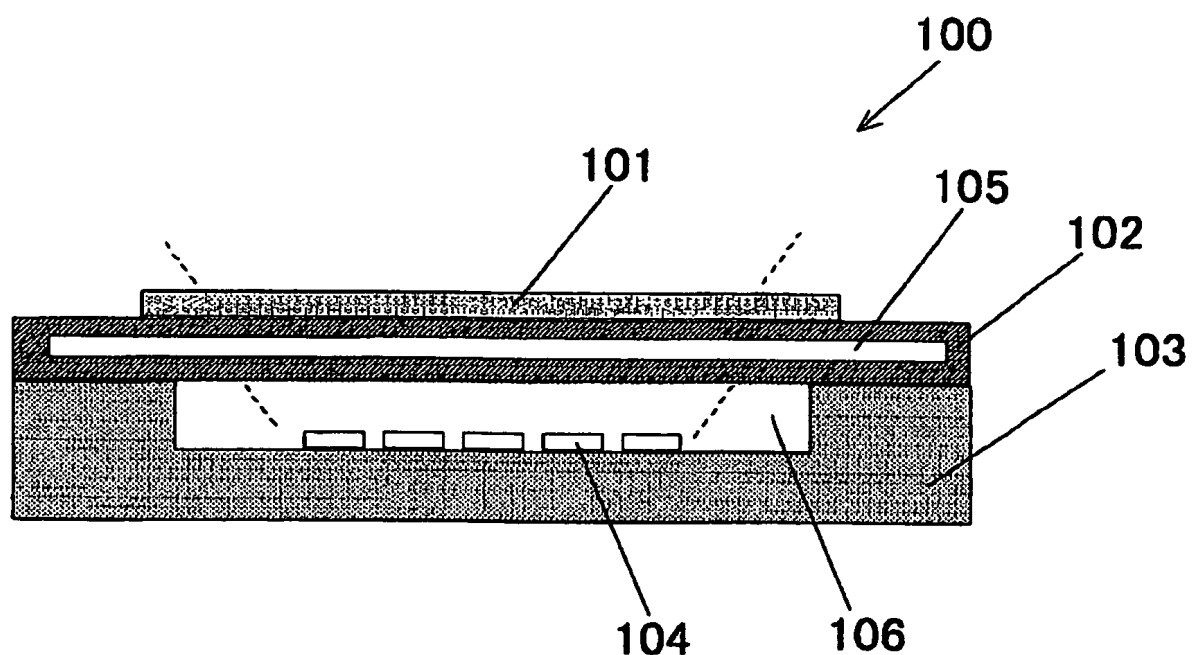
Family 23/31 - FAMPAT - ©Questel

Title

(EP1681728)

Light-emitting device

Images



Publication data including kind & date

WO2005038935



	A1	2005-04-28	WO200538935				
JP2005267927	A	2005-09-29	JP2005267927				
JP2005294185	A	2005-10-20	JP2005294185				
EP1681728	A1	2006-07-19	EP1681728				
CN1868071	A	2006-11-22	CN1868071				
KR20070007019	A	2007-01-12	KR20070007019				
US20070131954	A1	2007-06-14	US20070131954				
US7482636	B2	2009-01-27	US7482636				
CN100472823	C	2009-03-25	CN100472823C				
US20090095960	A1	2009-04-16	US20090095960				
US7812365	B2	2010-10-12	US7812365				
KR101173320	B1	2012-08-10	KR101173320				
EP1681728	A4	2013-07-03	EP1681728				
EP1681728	B1	2018-11-21	EP1681728				

Abstract

(EP1681728)

A light emitting device comprises a light emitting element, and a light conversion member including a phosphor material that is capable of absorbing light emitted from the light emitting element at least partially and emitting light in different wavelength. The light emitting device further comprises a heat dissipation member in a side where the light conversion member as viewed from the light emitting element.

Inventors

MURAYAMA TAKASHI

TAMAKI HIROTO

TAKEICHI JUNJI

Latest standardized assignees - inventors removed

NICHIA

Family 24/31 - FAMPAT - ©Questel

Title

(EP2319670)

Lightweight wooden material

Images

Styropor[®], Neopor[®]

Publication data including kind & date

EP1914052	A1	2008-04-23	EP1914052				
WO2008046892	A2	2008-04-24	WO200846892				
WO2008046891	A1	2008-04-24	WO200846891				
WO2008046890	A2	2008-04-24	WO200846890				
CA2666454	A1	2008-04-24	CA2666454				
CA2666447	A1	2008-04-24	CA2666447				
AU2007312220	A1	2008-04-24	AU2007312220				
AU2007312218	A1	2008-04-24	AU2007312218				
WO2008046890	A3	2008-06-12	WO200846890				
WO2008046892	A3	2008-08-21	WO200846892				
DE202006020503	U1	2008-10-09	DE202006020503				

NO20091523	L	2009-04-30	NO20091523				
EP2083976	A2	2009-08-05	EP2083976				
EP2083975	A1	2009-08-05	EP2083975				
EP2083974	A2	2009-08-05	EP2083974				
CN101541488	A	2009-09-23	CN101541488				
CN101553348	A	2009-10-07	CN101553348				
EA200900551	A1	2009-10-30	EA200900551				
EA200900550	A1	2009-10-30	EA200900550				
JP2010506758	A	2010-03-04	JP2010506758				
JP2010506757	A	2010-03-04	JP2010506757				
EA013666	B1	2010-06-30	EA--13666				
EA013665	B1	2010-06-30	EA--13665				
US20100297425	A1	2010-11-25	US20100297425				
EP2083975	B1	2010-12-29	EP2083975				
US20110003136	A1	2011-01-06	US20110003136				
AT493247	T	2011-01-15	ATE493247				
PT2083975	E	2011-02-03	PT2083975				
DE502007006137	D1	2011-02-10	DE502007006137				
UA94123	C2	2011-04-11	UA--94123				
ES2357574	T3	2011-04-27	ES2357574				
EP2319670	A1	2011-05-11	EP2319670				
UA96612	C2	2011-11-25	UA--96612				
AU2007312218	B2	2012-02-09	AU2007312218				
NZ576290	A	2012-02-24	NZ-576290				
NZ576323	A	2012-03-30	NZ-576323				
AU2007312220	B2	2012-05-03	AU2007312220				
US8304069	B2	2012-11-06	US8304069				
JP5150638	B2	2012-12-07	JP5150638				
MY148871	A	2013-06-14	MY-148871				
MY148865	A	2013-06-14	MY-148865				
JP5300728	B2	2013-06-28	JP5300728				
CN101553348	B	2013-08-14	CN101553348B				
BRPI0717434	A2	2013-11-12	BR200717434				
BRPI0717436	A2	2013-11-12	BR200717436				
CN101541488	B	2014-01-15	CN101541488B				
US9089991	B2	2015-07-28	US9089991				
EP2083974	B1	2017-01-18	EP2083974				
PT2083974	T	2017-03-31	PT2083974T				
EP1914052	B1	2017-06-28	EP1914052				
ES2622883	T3	2017-07-07	ES2622883				
PL2083974	T3	2017-07-31	PL2083974				
PT1914052	T	2017-10-04	PT1914052T				
ES2641263	T3	2017-11-08	ES2641263				
PL1914052	T3	2017-12-29	PL1914052				

Abstract

(EP2319670)

The light woody material comprises 30-95 wt.% of wood particles, 1-25 wt.% of filling materials selected from foamable plastic particles or foamed plastic particles. 0.1-50 wt.% of a binding agent, and optionally additives are also provided in the

woody material. An independent claim is also included for a method for manufacturing light materials, which involves utilizing wood and filling material.

Inventors

GEHRINGER LIONEL

WEINKOETZ STEPHAN

SCHERR GUENTER

BRAUN FRANK

PERETOLCHIN MAXIM

Latest standardized assignees - inventors removed

BASF

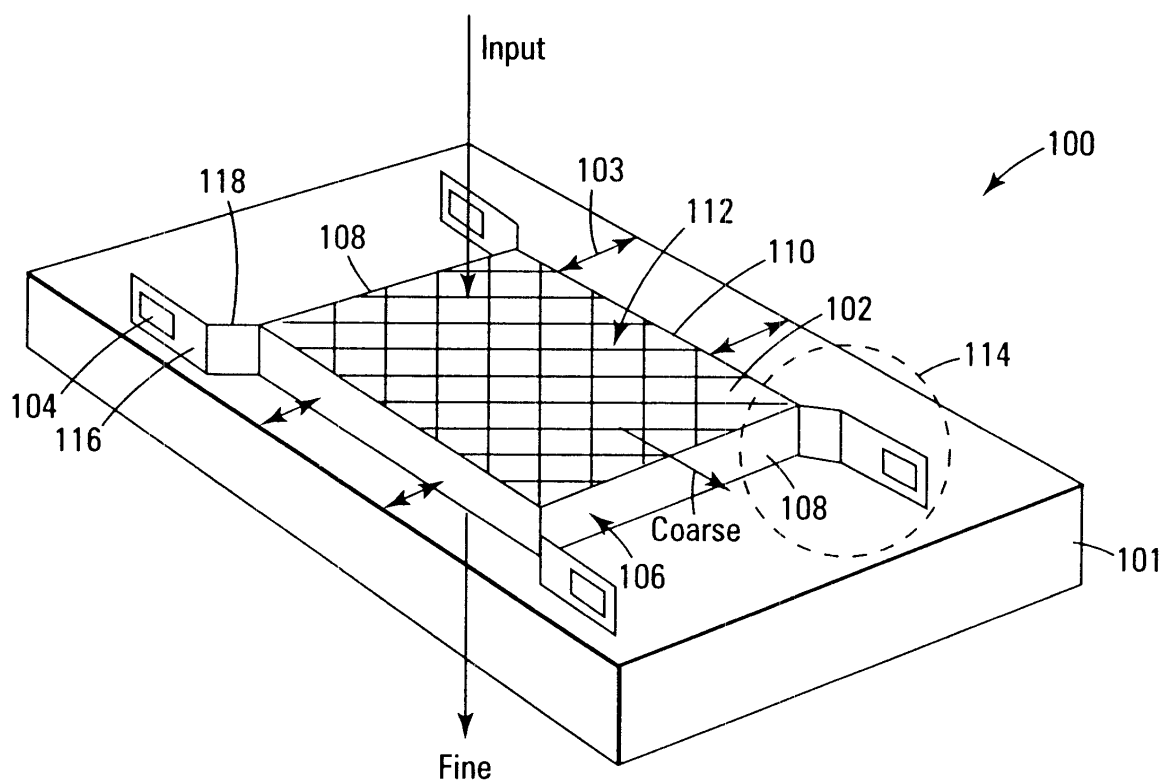
Family 25/31 - FAMPAT - ©Questel

Title

(EP1370372)

Screening machine

Images



Publication data including kind & date

US20020117940	A1	2002-08-29	US20020117940
WO2002068132	A1	2002-09-06	WO200268132
CA2437544	A1	2002-09-06	CA2437544
US6543620	B2	2003-04-08	US6543620
US20030085159	A1	2003-05-08	US20030085159
US20030098263	A1	2003-05-29	US20030098263
EP1370372	A1	2003-12-17	EP1370372
CN1492784	A	2004-04-28	CN1492784
MXPA03007564	A	2004-10-15	MX2003PA007564
JP2005506170	A	2005-03-03	JP2005506170
RU2003128419	A	2005-03-10	RU2003128419



CN1212898	C	2005-08-03	CN1212898C				
US6938778	B2	2005-09-06	US6938778				
US6953122	B2	2005-10-11	US6953122				
RU2266164	C2	2005-12-20	RU2266164				
IN0955/KOLNP/2003	A	2006-01-13	IN2003KN00955				
BR0207529	A	2006-01-17	BR200207529				
BRPI0207529	A1	2006-01-17	BRPI0207529				
AU2002248453	B2	2006-02-02	AU2002248453				
CA2437544	C	2006-10-17	CA2437544				
IN206577	B	2007-05-04	IN-206577				
BRPI0207529	A2	2016-08-16	BR200207529				

Abstract

(EP1370372)

A screening machine (100) that uses electrically controlled transducers to vibrate a separating screen (102). The transducers (104) can be piezoelectric patches, discrete piezoelectric components, or electromagnetic shakers. Further, the transducers (104) can be coupled directly to the screen (102) or through a vibration amplifier (116). The transducers (104) and/or amplifiers (116) can be coupled to the screen at different attachment locations. One or more of the transducers (104) can be used as sensors to provide feedback for operation control.

Inventors

ALLAEI DARYOUSH

Latest standardized assignees - inventors removed

QUALITY RESEARCH DEVELOPMENT & CONSULTING I

Family 26/31 - FAMPAT - ©Questel

Title

(EP2255401)

Nonwoven fabric having cross-linking material

Images**Publication data including kind & date**

WO2009103537	A1	2009-08-27	WO2009103537				
KR20100119888	A	2010-11-11	KR20100119888				
EP2255401	A1	2010-12-01	EP2255401				
CN101946344	A	2011-01-12	CN101946344				
US20110081601	A1	2011-04-07	US20110081601				
IN5782/CHENP/2010	A	2011-04-15	IN2010CN05782				
JP2011517704	A	2011-06-16	JP2011517704				
RU2010138618	A	2012-03-27	RU2010138618				
RU2485634	C2	2013-06-20	RU2485634				
KR101298120	B1	2013-08-20	KR101298120				
JP5447395	B2	2014-01-10	JP5447395				
CN101946344	B	2014-12-17	CN101946344B				
EP2255401	B1	2015-04-01	EP2255401				
BRPI0908031	A2	2015-08-04	BR200908031				
US9159979	B2	2015-10-13	US9159979				

Abstract

(EP2255401)

The invention relates to a layer having a main body, wherein said main body has pores, wherein said layer has a binder, wherein said binder is cross-linked. An object of the invention is also methods for producing the layer, the use thereof, and devices which contain the layer.

Inventors

WEBER CHRISTOPH

ROTH MICHAEL DR

SMITH IAIN

GENTILCORE GIOVANNI

Latest standardized assignees - inventors removed

FREUDENBERG

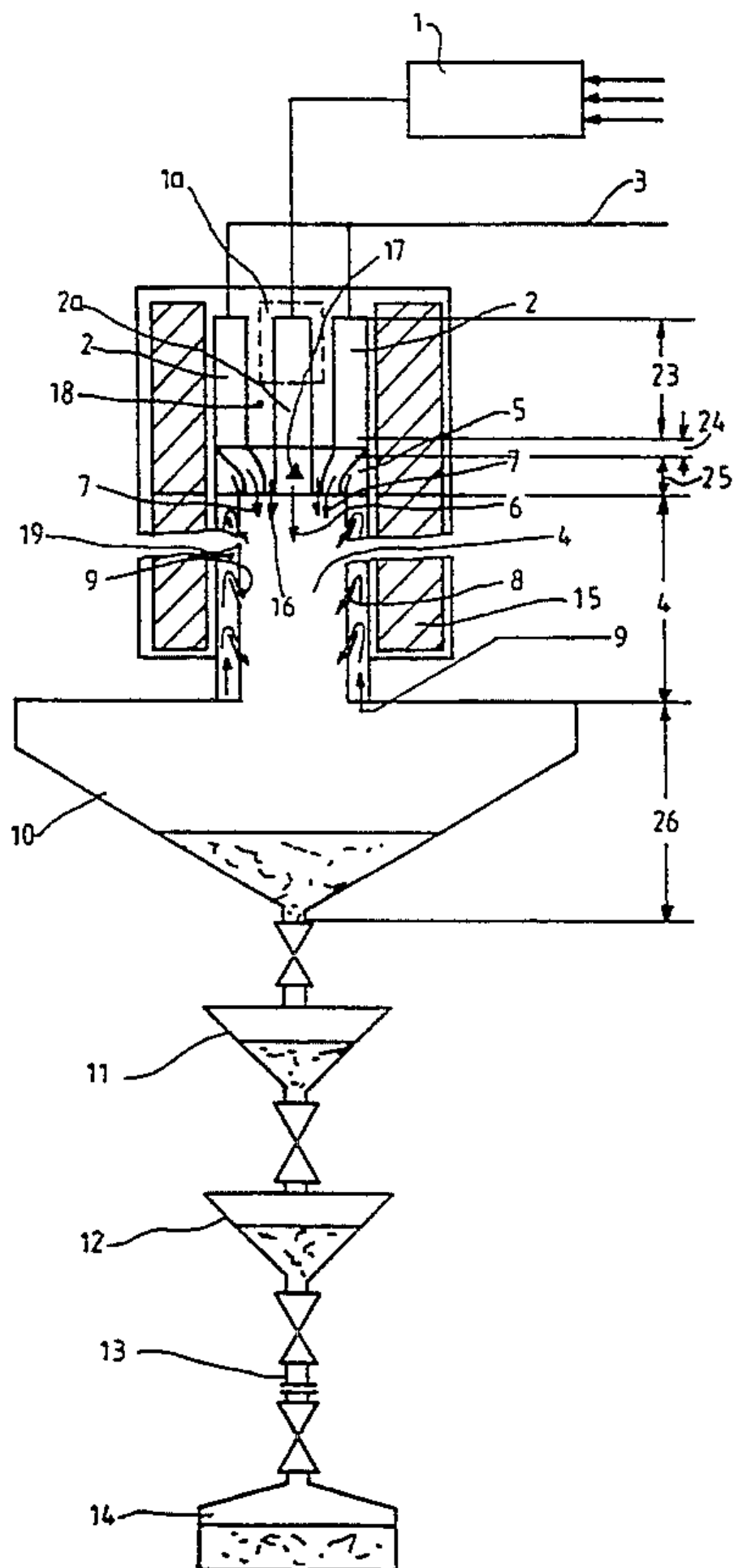
Family 27/31 - FAMPAT - ©Questel

Title

(EP-568861)

Finely divided non-oxide ceramic powders

Images



Publication data including kind & date

IL105593	A	1993-09-22	IL-105593
EP0568861	A1	1993-11-10	EP-568861
DE4214725	A1	1993-11-11	DE4214725
KR19930023305	A	1993-12-18	KR19930023305
JP6024727	A	1994-02-01	JP06024727
US5389585	A	1995-02-14	US5389585
DE4214725	C2	1995-04-20	DE4214725
EP0568861	B1	1996-02-21	EP-568861
AT134361	T	1996-03-15	ATE134361
DE59301660	D1	1996-03-28	DE59301660
IL105593	B	1996-09-12	IL-105593
KR100249113	B1	2000-03-15	KR100249113

**Abstract**

(EP-568861)

The invention relates to finely divided non-oxide ceramic powders MeX, where Me = B, Al, Si, Ti, Zr, Hf, V, Y, Ta, Nb, Mo, W, La, Fe, Co, Ni and/or Cr and X = C, N, B and Si or combinations thereof, with the exception of Si₃N₄ greater than 100 nm and AlN greater than 200 nm.

Inventors

KOENIG THEO DR

FISTER DIETMAR DR

Latest standardized assignees - inventors removed

HC STARCK

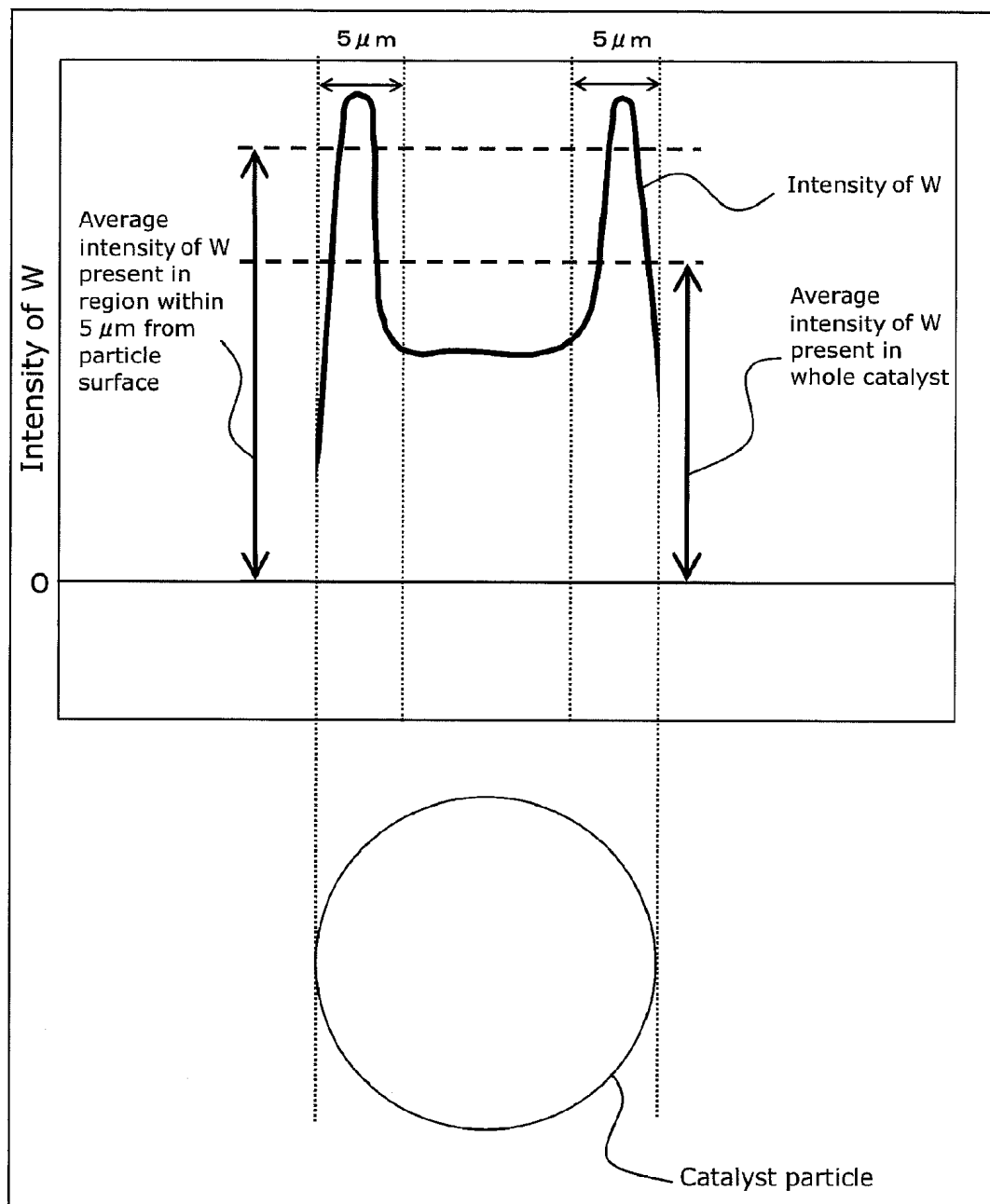
Family 28/31 - FAMPAT - ©Questel

Title

(EP2636451)

Oxide catalyst, process for production of oxide catalyst, process for production of unsaturated acid, and process for production of unsaturated nitrile

Images



Publication data including kind & date

JPWO2012060175	A1	2012-05-10	JP2012060175W
WO2012060175	A1	2012-05-10	WO201260175
TW201231160	A	2012-08-01	TW201231160
KR20130060318	A	2013-06-07	KR20130060318
CN103189139	A	2013-07-03	CN103189139
US20130225862	A1	2013-08-29	US20130225862
EP2636451	A1	2013-09-11	EP2636451
TWI434735	B	2014-04-21	TWI434735
TH137450	A	2014-10-17	TH-137450
IN3724/DELNP/2013	A	2014-11-21	IN2013DN03724
RU2013120032	A	2014-12-10	RU2013120032
KR101496389	B1	2015-02-27	KR101496389
EP2636451	A4	2015-03-25	EP2636451



RU2559315	C2	2015-08-10	RU2559315				
CN103189139	B	2015-09-02	CN103189139B				
JP5866292	B2	2016-01-08	JP5866292				
US9427727	B2	2016-08-30	US9427727				
MY159015	A	2016-11-30	MY-159015				

Abstract

(EP2636451)

Disclosed is a process for producing an oxide catalyst for use in the gas-phase catalytic oxidation reaction or the like of propane or the like, the process comprising the steps of: (I) obtaining a preparation containing compounds of Mo, V, Nb, and Sb or Te at the predetermined atomic ratios; (II) drying the preparation to obtain a dry powder; and (III) calcining the dry powder, wherein the step (III) comprises the step of calcining the dry powder in the presence of a compound containing W in the form of a solid to obtain a pre-stage calcined powder or a mainly calcined powder, or the step of calcining the dry powder and calcining the obtained pre-stage calcined powder in the presence of the solid to obtain a mainly calcined powder, the solid satisfies the predetermined conditions, and the oxide catalyst comprises a catalytic component having the predetermined composition.

Inventors

TATENO ERI

ICHIHARA TAKEO

KATO TAKAAKI

Latest standardized assignees - inventors removed

ASAHI KASEI CHEMICALS

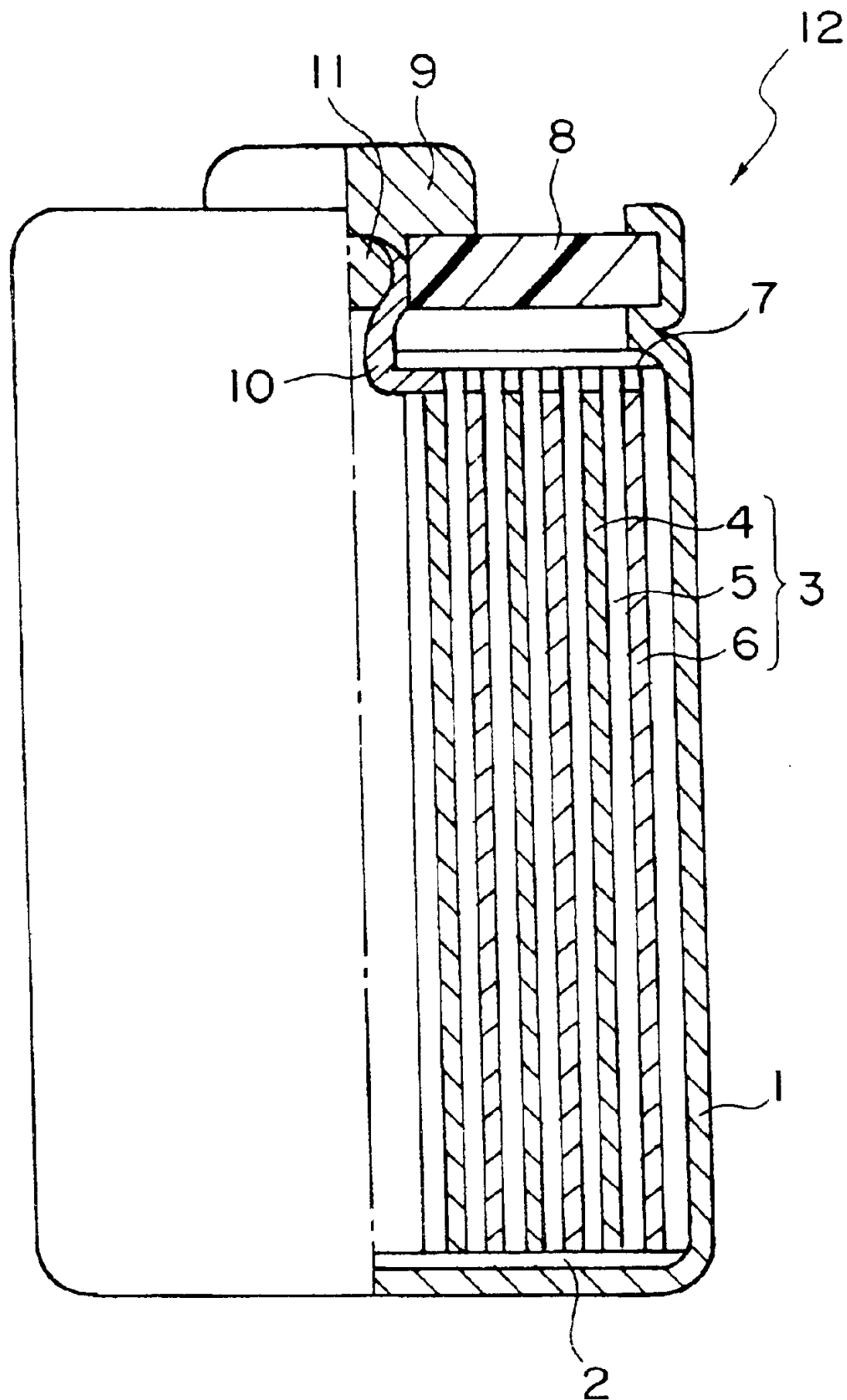
Family 29/31 - FAMPAT - ©Questel

Title

(EP1215742)

Active material for anode of secondary cell and method for production thereof and non-aqueous electrolyte secondary cell, and recycled electronic functional material and method for recycling electronic functional material

Images

**Publication data including kind & date**

WO200079621	A1	2000-12-28	WO200079621
CA2374245	A1	2000-12-28	CA2374245
KR20020032436	A	2002-05-03	KR20020032436



EP1215742	A1	2002-06-19	EP1215742
TW496008	B	2002-07-21	TW-496008
CN1370331	A	2002-09-18	CN1370331
JP2003117535	A	2003-04-22	JP2003117535
KR100433593	B1	2004-05-31	KR100433593
US6811923	B1	2004-11-02	US6811923
CN1188924	C	2005-02-09	CN1188924C
JP4102066	B2	2008-03-28	JP4102066
JP4642952	B2	2010-12-10	JP4642952



Abstract

(EP1215742)

Positive electrode active material for nonaqueous electrolytic solution secondary batteries is made of a metal oxide. A content of coarse particles, of which particles sizes are 600% or more with respect to an average particle size of the metal oxide, is 1% or less by volume, and a content of high density particles, of which densities are 150% or more with respect to an average density of the metal oxide, is 1000 ppm or less. By using the positive electrode active material, battery characteristics and a manufacturing yield may be improved.

Inventors

SAKAI RYO

SHIRAKAWA YASUHIRO

IYASU KOTARO

SUZUKI NOBUKAZU

MITSUI HISAYASU

Latest standardized assignees - inventors removed

TOSHIBA

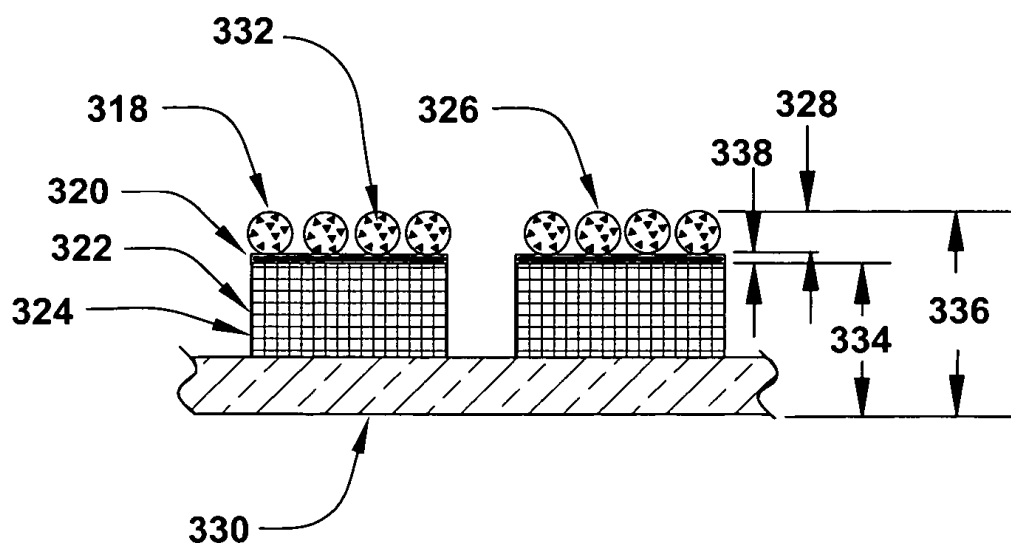
Family 30/31 - FAMPAT - ©Questel

Title

(US8545583)

Method of forming a flexible abrasive sheet article

Images



[US20050118939](#)

A1 2005-06-02 US20050118939

[US8545583](#)

B2 2013-10-01 US8545583

**Abstract**

(US8545583)

Flexible abrasive sheet articles having precision thickness flat-topped raised island structures that are coated with a monolayer of equal sized abrasive agglomerate are described. Methods of producing high quality equal-sized spherical shaped composite abrasive agglomerate beads containing small diamond abrasive particles are described. Beads are produced by level-filling fine mesh screens or perforated sheets with a water based metal oxide slurry containing abrasive particles and then using a fluid jet to eject the abrasive slurry lumps from the individual screen cells into a dehydrating environment. Surface tension forces form the ejected liquid lumps into spheres that are solidified and then heated in a furnace to form ceramic beads. These porous ceramic abrasive beads can be bonded directly onto the flat planar surface of a flexible backing material or they can be bonded onto raised island surfaces to form rectangular or disk abrasive sheet articles. Abrasive articles having equal sized abrasive beads are particularly suited for lapping and raised island articles are suited for high speed lapping. Non-abrasive equal-sized beads can also be formed using this simple bead manufacturing process, which requires only a very low capital investment.

Inventors

DUESCHER WAYNE O

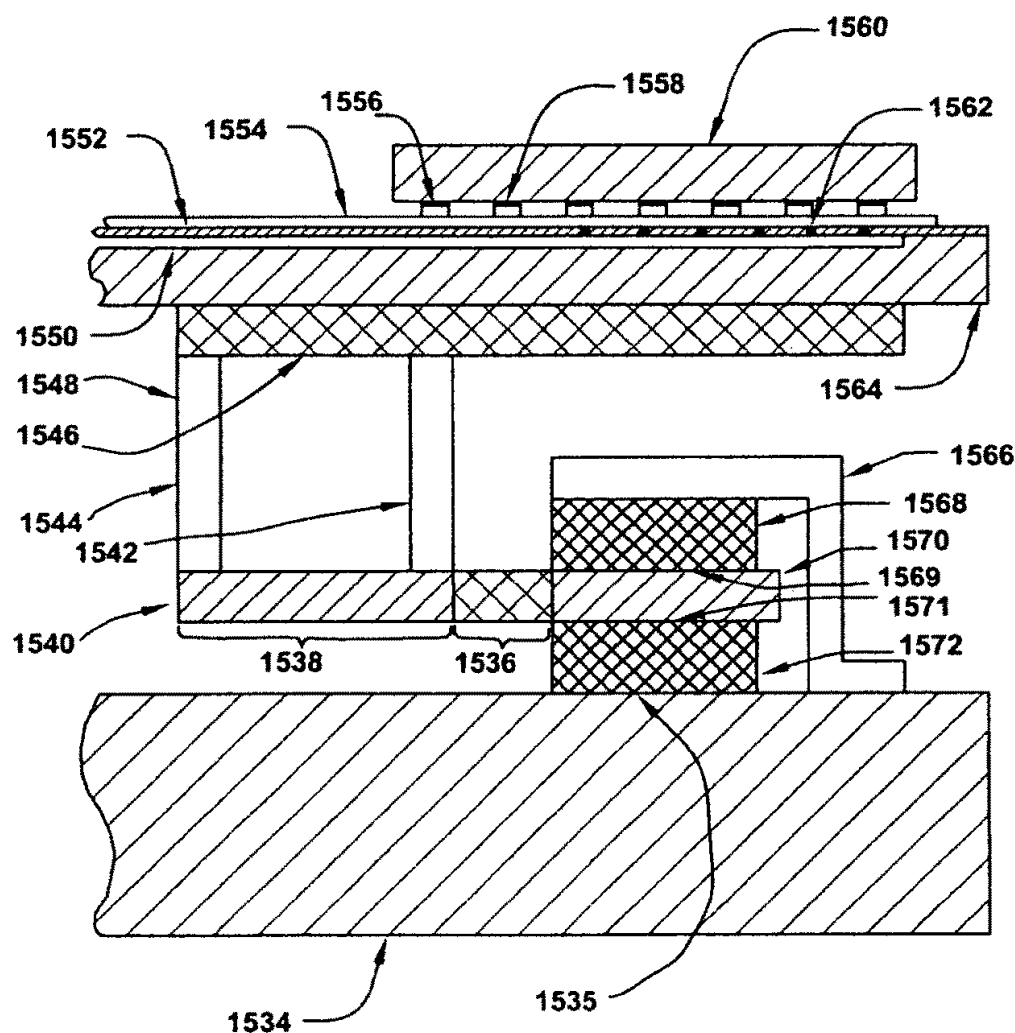
Family 31/31 - FAMPAT - ©Questel

Title

(US8062098)

High speed flat lapping platen

Images



Publication data including kind & date

US20100003904	A1	2010-01-07	US20100003904
US8062098	B2	2011-11-22	US8062098



Abstract

(US8062098)

A rotatable abrasive lapper machine platen assembly is attached to a lapper machine frame. The assembly has at least: a) a circular-shaped rotatable horizontal platen having i) a front surface and ii) a back surface; b) the circular platen having a platen radius, a platen outer circumference and a platen outer periphery; c) the circular platen front surface having an outer annular planar portion where the platen outer annular planar portion extends radially to the circular platen outer circumference; and d) a flexible abrasive disk secured in conformable flat contact with the circular platen front surface outer annular planar portion wherein the abrasive disk is positioned concentric with the circular platen.

Inventors

DUESCHER WAYNE O