

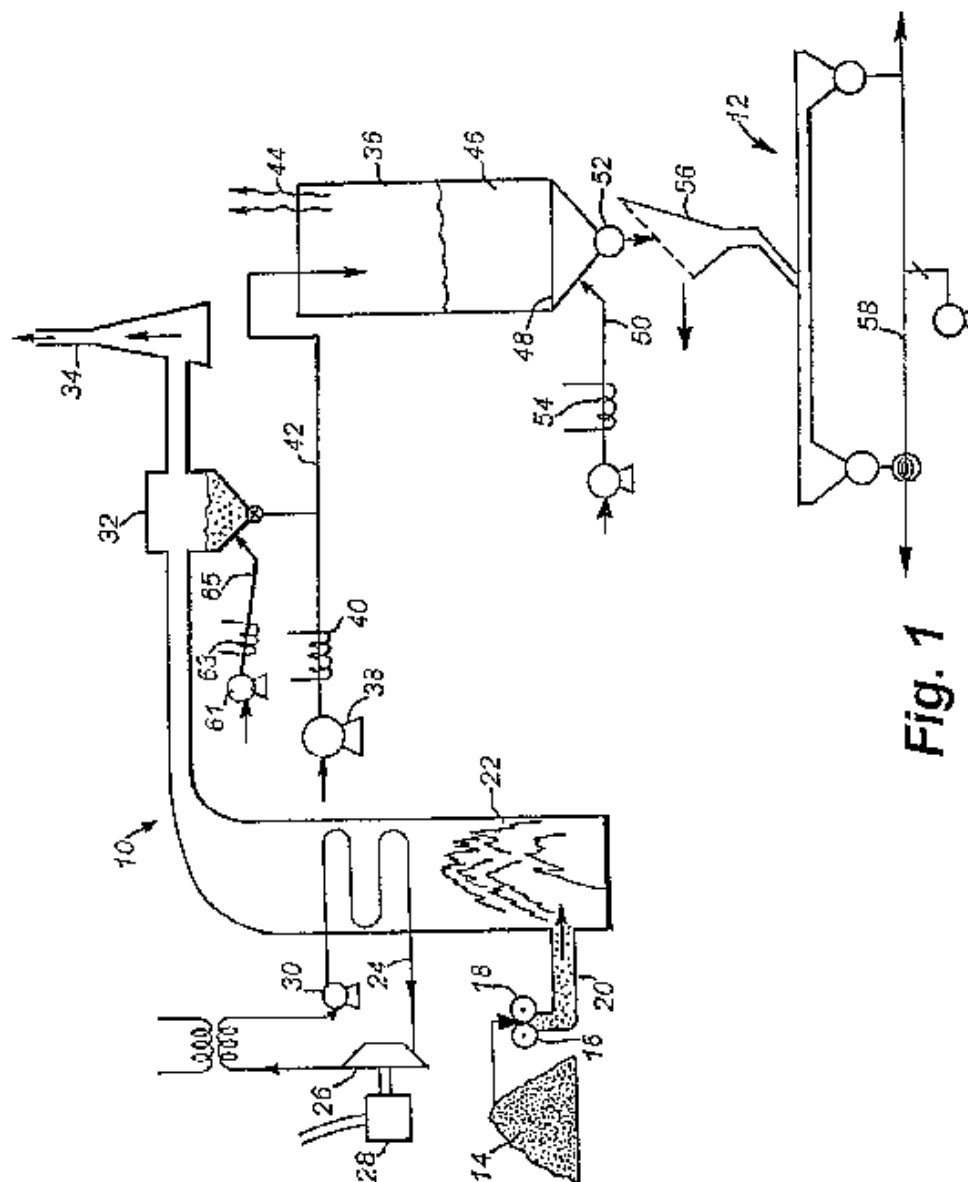
6 Documents

Publication numbers	Title	Current assignees
WO9836844 A1	Method and apparatus for separation of carbon from flyash	SEPARATION TECHNOLOGIES
FI9801651 A0	Apparatus and method for grinding webs made of fiber material	IDI HEAD
IT2010RE0045 A1	A method and a device for separating particles of a determined synthetic material from particles of different synthetic materials	CASSANI, ...
US20040234694 A1	Grooved surface roll cover and method of fabrication	PRIMALOFT
WO9633809 A1	A method and apparatus for electrostatic separation	SEPARATION TECHNOLOGIES
WO8707532 A1	Separating constituents of a mixture of particles	INTERNATIONAL SEPARATIONS SYSTEMS, ...

Family 1/6 - FAMPAT - ©Questel

Title

(EP-961657)

Method and apparatus for **separation** of carbon from flyash**Images****Fig. 1****Publication data including kind & date**

WO9836844	A1	1998-08-27	WO9836844
CA2281870	A1	1998-08-27	CA2281870
AU6180098	A	1998-09-09	AU9861800
ZA9801525	B	1998-09-23	ZA9801525
EP0961657	A1	1999-12-08	EP-961657



BR9807744	A	2000-02-22	BR9807744				
BRPI9807744	A1	2000-02-22	BRPI9807744				
EA199900763	A1	2000-02-28	EA199900763				
CN1248181	A	2000-03-22	CN1248181				
PL335335	A1	2000-04-25	PL98335335				
ID23493	A	2000-04-27	ID--23493				
US6074458	A	2000-06-13	US6074458				
CZ9902987	A3	2000-08-16	CZ9902987				
TR199902048	T2	2000-10-23	TR199902048				
KR20000075661	A	2000-12-26	KR20000075661				
IL131464	A	2001-01-28	IL-131464				
EA001346	B1	2001-02-26	EA---1346				
AU734376	B2	2001-06-14	AU-734376				
TW442335	B	2001-06-23	TW-442335				
JP2001512369	A	2001-08-21	JP2001512369				
IL131464	B	2002-02-10	IL-131464				
EP0961657	B1	2002-07-24	EP-961657				
DE69806727	D1	2002-08-29	DE69806727				
DE69806727	T2	2002-12-05	DE69806727				
ES2181175	T3	2003-02-16	ES2181175				
PL187113	B1	2004-05-31	PL-187113				
CN1154543	C	2004-06-23	CN1154543C				
IN0300/CAL/1998	A	2005-03-25	IN1998CA00300				
KR100527926	B1	2005-11-09	KR100527926				
CA2281870	C	2007-01-02	CA2281870				
CZ300060	B6	2009-01-21	CZ-300060				
BRPI9807744	A2	2011-12-06	BR9807744				

Abstract

(EP-961657)

Apparatus and method for **separating** carbon particles from flyash include one of increasing a relative humidity of the flyash or decreasing the relative humidity of the flyash to within an optimum humidity range, and introducing the flyash within the optimum humidity range into a **triboelectric separator** so as to **triboelectrically** charge the carbon particles and the flyash and so as to electrostatically **separate** the charged carbon particles from the charged flyash.

Inventors

BITTNER JAMES D

DUNN THOMAS M

HRACH FRANK J JR

Latest standardized assignees - inventors removed**SEPARATION** TECHNOLOGIES

Family 2/6 - FAMPAT - ©Questel

Title

(EP1102895)

Apparatus and method for grinding webs made of fiber material

Images

CN1319151	A	2001-10-24	CN1319151				
PL345614	A1	2002-01-02	PL99345614				
MXPA01000750	A	2002-04-08	MXPA01000750				
AU750375	B2	2002-07-18	AU-750375				
JP2002522239	A	2002-07-23	JP2002522239				
US6497793	B1	2002-12-24	US6497793				
FI110534	B	2003-02-14	FI-110534				
FI111398	B	2003-07-15	FI-111398				
NZ509725	A	2003-07-25	NZ-509725				
FI112516	B	2003-12-15	FI-112516				
RU2224063	C2	2004-02-20	RU2224063				
CN1156630	C	2004-07-07	CN1156630C				
CA2338072	C	2008-10-14	CA2338072				

Abstract

(EP1102895)

Apparatus and method for grinding levelling of paper, cardboard or a similar continuous web manufactured from vegetative based fibrous raw-material, said apparatus comprising a plurality of grinding means such as rolls or **belts** preferably arranged on both sides of the web, said means being deviated from the moving direction of the web or the web being deviated from these by means of squeeze rolls and which rolls are characterised by being trioelectrically charged with a similar electrical charge as the ground surface. The web tension can be regulated by moving the grinding means or the web from its direction of movement and the dust generated at the grinding is removed by a vacuum system.

Inventors

AHONEN HEIKKI

DETLING BERNHARD

Latest standardized assignees - inventors removed

IDI HEAD

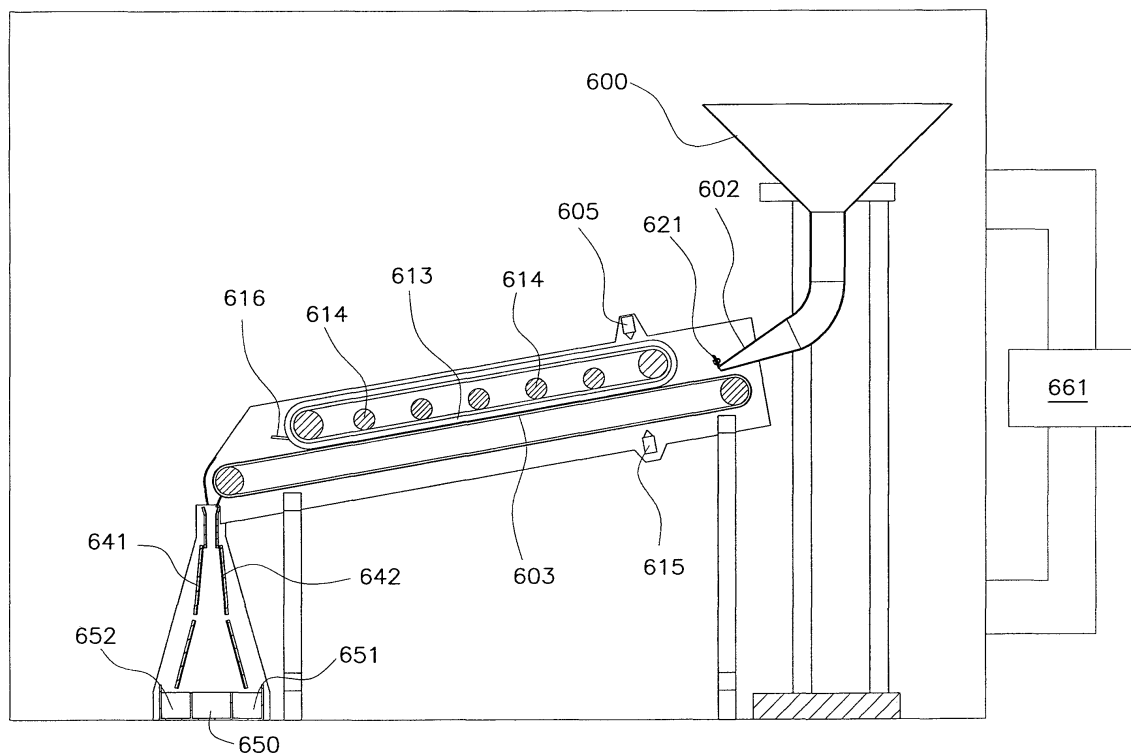
Family 3/6 - FAMPAT - ©Questel

Title

(EP2576071)

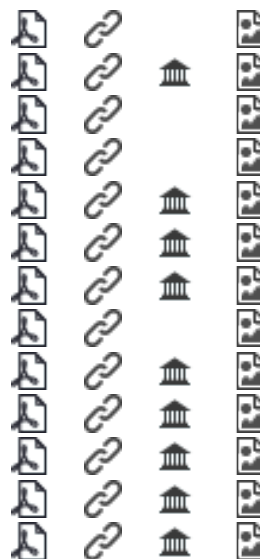
A method and a device for **separating** particles of a determined synthetic material from particles of different synthetic materials

Images



Publication data including kind & date

ITRE20100045	A1	2011-12-01	IT2010RE0045
WO2011151690	A1	2011-12-08	WO2011151690
SM201000097	A	2012-01-18	SM201000097
SM201000097	B	2013-01-14	SM201000097
CN102939166	A	2013-02-20	CN102939166
US20130075308	A1	2013-03-28	US20130075308
EP2576071	A1	2013-04-10	EP2576071
IT1400411	B1	2013-05-31	IT1400411
BR112012030439	A1	2013-07-02	BR112012030439
US8853583	B2	2014-10-07	US8853583
IN9961/DELNP/2012	A	2014-11-07	IN2012DN09961
CN102939166	B	2016-03-09	CN102939166B
BR112012030439	A2	2016-08-09	BR112012030439



Abstract

(EP2576071)

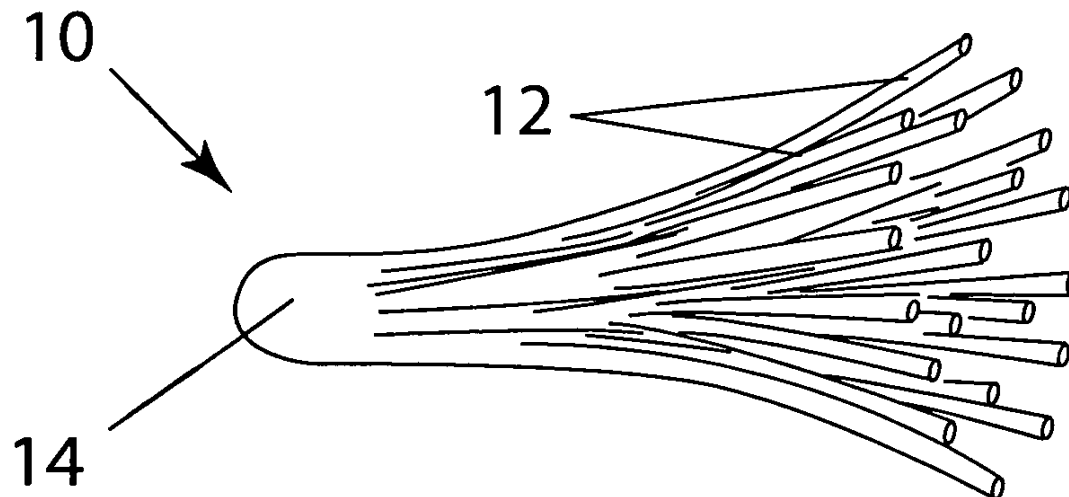
A method for separating a synthetic material in granular form from a loose mass of various synthetic materials, comprising following operations: conveying the granular mass along a trajectory comprising a rubbing surface subjecting the mass falling down from the rubbing surface to an electrical field, collecting at least one of the masses of granules separated by the electrical field wherein the mass is made to advances in a single layer on the rubbing surface, while maintaining the single layer into contact with the rubbing surface the rubbing surface being subjected to repeated acceleration in opposite directions contained in the plane of the rubbing surface, or tangential thereto to move the mass on the surface in order to improve the electrostatic charge, the rubbing surface being clad with, or made of, a material having triboelectric properties which are intermediate with respect to triboelectric properties of the granular mass, and preferably is clad with a same material as a material which it is intended to separate from the mass.

Inventors

CASSANI STEFANO

Grooved surface roll cover and method of fabrication

Equal diameter filaments



Fused Area

Open Filaments

US20040234694	A1	2004-11-25	US20040234694
US20040241437	A1	2004-12-02	US20040241437
WO2004106608	A2	2004-12-09	WO2004106608
CA2527631	A1	2004-12-09	CA2527631
AU2004243857	A1	2004-12-09	AU2004243857
WO2004110729	A2	2004-12-23	WO2004110729
CA2526969	A1	2004-12-23	CA2526969
AU2004247629	A1	2004-12-23	AU2004247629
TW200500209	A	2005-01-01	TW200500209
WO2004106608	A3	2005-01-13	WO2004106608
TW200502461	A	2005-01-16	TW200502461
WO2004110729	A3	2005-02-17	WO2004110729
NO20056198	A	2005-12-27	NO20056198
KR20060014422	A	2006-02-15	KR20060014422
KR20060015314	A	2006-02-16	KR20060015314
NO20056124	A	2006-02-22	NO20056124
MXPA05012629	A	2006-02-22	MX2005PA012629
EP1628904	A2	2006-03-01	EP1628904
EP1633926	A2	2006-03-15	EP1633926
MXPA05012751	A	2006-05-17	MX2005PA012751
BRPI0410709	A	2006-06-13	BR200410709



BRPI0410709	A1	2006-06-13	BRPI0410709				
BRPI0410605	A	2006-06-20	BR200410605				
BRPI0410605	A1	2006-06-20	BRPI0410605				
RU2005136421	A	2006-06-27	RU2005136421				
CN1795139	A	2006-06-28	CN1795139				
CN1795302	A	2006-06-28	CN1795302				
JP2007500292	A	2007-01-11	JP2007500292				
JP2007504375	A	2007-03-01	JP2007504375				
ZA200509591	B	2007-03-28	ZA200509591				
ZA200509439	B	2007-03-28	ZA200509439				
RU2005136422	A	2007-06-27	RU2005136422				
US7261936	B2	2007-08-28	US7261936				
IN5447/DELNP/2005	A	2007-10-05	IN2005DN05447				
IN5349/DELNP/2005	A	2007-10-05	IN2005DN05349				
NZ543715	A	2007-10-26	NZ-543715				
US20070262485	A1	2007-11-15	US20070262485				
AU2004247629	B2	2008-01-24	AU2004247629				
NZ544225	A	2008-03-28	NZ-544225				
US7374640	B2	2008-05-20	US7374640				
IN232981	B	2009-03-27	IN-232981				
RU2360048	C2	2009-06-27	RU2360048				
RU2363795	C2	2009-08-10	RU2363795				
AU2004243857	B2	2009-10-22	AU2004243857				
CN100575601	C	2009-12-30	CN100575601C				
TWI327182	B	2010-07-11	TWI327182				
JP2010159535	A	2010-07-22	JP2010159535				
JP4571142	B2	2010-10-27	JP4571142				
KR101108523	B1	2012-01-30	KR101108523				
KR101108522	B1	2012-01-30	KR101108522				
JP4869934	B2	2012-02-08	JP4869934				
EP2431518	A1	2012-03-21	EP2431518				
NO331870	B1	2012-04-23	NO-331870				
JP4990993	B2	2012-08-01	JP4990993				
TWI374089	B	2012-10-11	TWI374089				
EP1633926	B1	2012-11-28	EP1633926				
CA2527631	C	2012-12-04	CA2527631				
CA2526969	C	2012-12-04	CA2526969				
ES2395905	T3	2013-02-15	ES2395905				
BRPI0410709	A2	2013-05-07	BR200410709				
BRPI0410605	A2	2014-02-04	BR200410605				
EP2431518	B1	2014-02-26	EP2431518				
ES2452555	T3	2014-04-01	ES2452555				
BRPI0410605	B1	2014-09-09	BR200410605				

Abstract

(EP2431518)

The present invention is a grooved **belt**, or surface roll where applicable, and a method for making these **belts** or rolls, comprising placing a chemically reactive material on a partially completed **belt** surface, and depositing an elastomeric material onto the chemically reactive material which reacts and forms a bond therewith to create a pattern.Placement of the

elastomeric material is used to create the grooves, for example. The grooves are formed without machining and the resulting **belt** surface is smooth and uniform without cuts or cracks.

Inventors

ROMANSKI ERIC

Latest standardized assignees - inventors removed

PRIMALOFT

Family 5/6 - FAMPAT - ©Questel

Title

(EP-822862)

A method and apparatus for electrostatic **separation**

Images

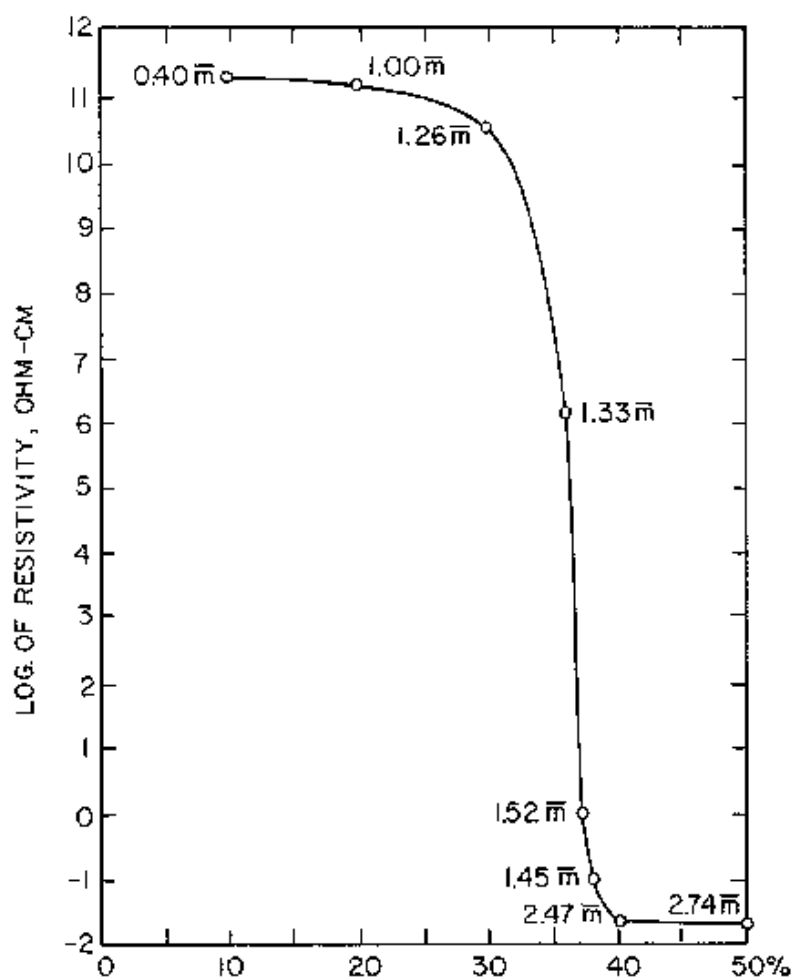
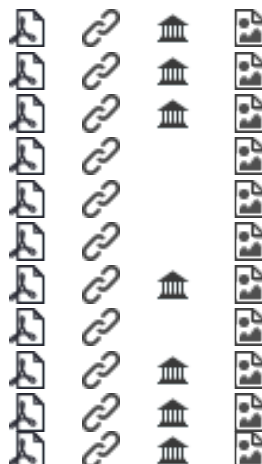


Fig. 1
(RELATED ART)

Publication data including kind & date

WO9633809	A1	1996-10-31	WO9633809
CA2219133	A1	1996-10-31	CA2219133
AU5578896	A	1996-11-18	AU9655788
ZA9603226	B	1996-12-18	ZA9603226
FI974073	A	1997-10-28	FI9704073
FI974073	A0	1997-10-28	FI9704073
EP0822862	A1	1998-02-11	EP-822862
PL323085	A1	1998-03-02	PL96323085
CN1183060	A	1998-05-27	CN1183060
US5829598	A	1998-11-03	US5829598



KR19990008156	A	1999-01-25	KR19990008156				
AU701673	B2	1999-02-04	AU-701673				
JPH11509134	A	1999-08-17	JP11509134				
BR9604982	A	1999-11-30	BR9604982				
BRPI9604982	A1	1999-11-30	BRPI9604982				
PL180257	B1	2001-01-31	PL-180257				
RU2163168	C2	2001-02-20	RU2163168				
EP0822862	B1	2001-06-06	EP-822862				
DE69613224	D1	2001-07-12	DE69613224				
DK822862	T3	2001-09-03	DK-822862T				
DE69613224	T2	2001-11-29	DE69613224				
GR3036504	T3	2001-11-30	GR3036504				
PT822862	E	2001-11-30	PT-822862				
BRPI9604982	B1	2003-03-05	BR9604982				
CN1120055	C	2003-09-03	CN1120055C				
KR100424370	B1	2004-06-30	KR100424370				
CA2219133	C	2007-01-16	CA2219133				
FI117693	B	2007-01-31	FI-117693				
JP3895771	B2	2007-03-22	JP3895771				

Abstract

(EP-822862)

A **belt-type** counter-current **separator** for **separating** a mixture of particles, including conductive particles, includes a voltage gradient assembly having a plurality of conductive elements inter-disposed with a plurality of dielectric elements. The plurality of conductive elements are coupled to respective nodes of a voltage dividing circuit for dividing a voltage between a high potential electrode, of the electrostatic **separator**, and a reference potential. The plurality of conductive elements and dielectric elements in combination with the voltage dividing circuit limit a voltage potential between any adjacent conductive elements to a maximum potential so as to prevent sparking due the presence of conductive particles in the **separator**. In one embodiment of the **separator**, the voltage gradient assembly is an extruded plastic material having both conductive and non-conductive elements and pieces of alumina are disposed between the conductive elements to provide a durable voltage gradient surface.

Inventors

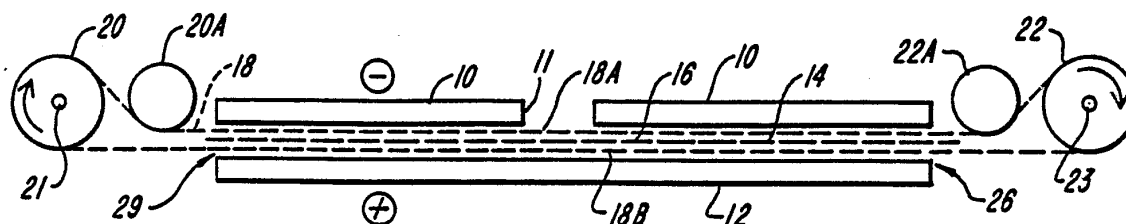
WHITLOCK DAVID R

Latest standardized assignees - inventors removed**SEPARATION** TECHNOLOGIES

Family 6/6 - FAMPAT - ©Questel

Title

(EP-311617)

Separating constituents of a mixture of particles**Images****Publication data including kind & date**

WO8707532 A1 1987-12-17 WO8707532



AU7515187	A	1988-01-11	AU8775151				
EP0311617	A1	1989-04-19	EP-311617				
US4839032	A	1989-06-13	US4839032				
US4874507	A	1989-10-17	US4874507				
JPH01503283	A	1989-11-09	JP01503283				
EP0311617	A4	1990-01-08	EP-311617				
AU606602	B2	1991-02-14	AU-606602				
CA1321980	C	1993-09-07	CA1321980				
EP0311617	B1	1993-10-06	EP-311617				
AT95445	T	1993-10-15	ATE095445				
DE3787728	D1	1993-11-11	DE3787728				
DE3787728	T2	1994-03-10	DE3787728				
JPH0694012	B2	1994-11-24	JP94094012				

Abstract

(EP-311617)

Particle-charging, specie-**separating** and concentration-enhancing methods and apparatus which operate on a substantially continual basis. The particles of each specie in a mixture are charged by surface contact, **separated** in an electric field according to their respective polarities by motion in the direction of the field, and the particles of like net polarities are transported in substantially continuous streams (18A, 18B), each of opposite net polarity, running near each other, in a direction or directions transverse to the electric field, the streams (18A, 18B) being in communication parallel to the electric field, so as to transfer particles of at least one species to the other respective streams by virtue of continued particle contact and field **separation** of charged particles as the respective streams progress transversely to the electric field. The two streams (18A, 18B) can run in the same direction (co-current) or in respectively opposite directions (counter-current). The electric field is established between electrodes (10, 12) spaced not more than about 10 mm apart.

Inventors

WHITLOCK, DAVID, R,

Latest standardized assignees - inventors removed

INTERNATIONAL **SEPARATIONS** SYSTEMS

SEPARATION TECHNOLOGIES