

Search history

Search step	Result(s)	Query
15	31	14 AND 12
14	115100	10 AND 4
13	1	11 AND 12
12	140683	(C05#)/IPC
11	71	8 AND 10
10	7156119	((COAT+ OR COVER+ OR OVERLAY)/TI/AB/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX AND (FUNGICIDE OR INSECTICIDE OR NUTRIENT OR (FERTILIZER 1D POWDER) OR COMPONENT OR INOCULANT OR (SOIL 1D AMENDMENT) OR MICRONUTRIENTS OR ADJUVANT)/TI/AB/CLMS/DESC/ODES/ICLM/TX)
9	1	8 AND 5
8	109	7 AND 4
7	359	2 AND 6
6	439622	((EARTHING 1D SYSTEMS) OR GROUNDING)/TI/AB/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX
5	78966	(C05G)/IPC
4	197699	((CORONA 1D DISCHARG+) OR (TRIBOELECTRIC 1D CHARG+))/TI/AB/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX
3	312152	(H01R-013)/IPC
2	67654	..SIMILARITY SS 1 RANKED 1
1	1	(2016WO-CA50262)/AP

8 Documents

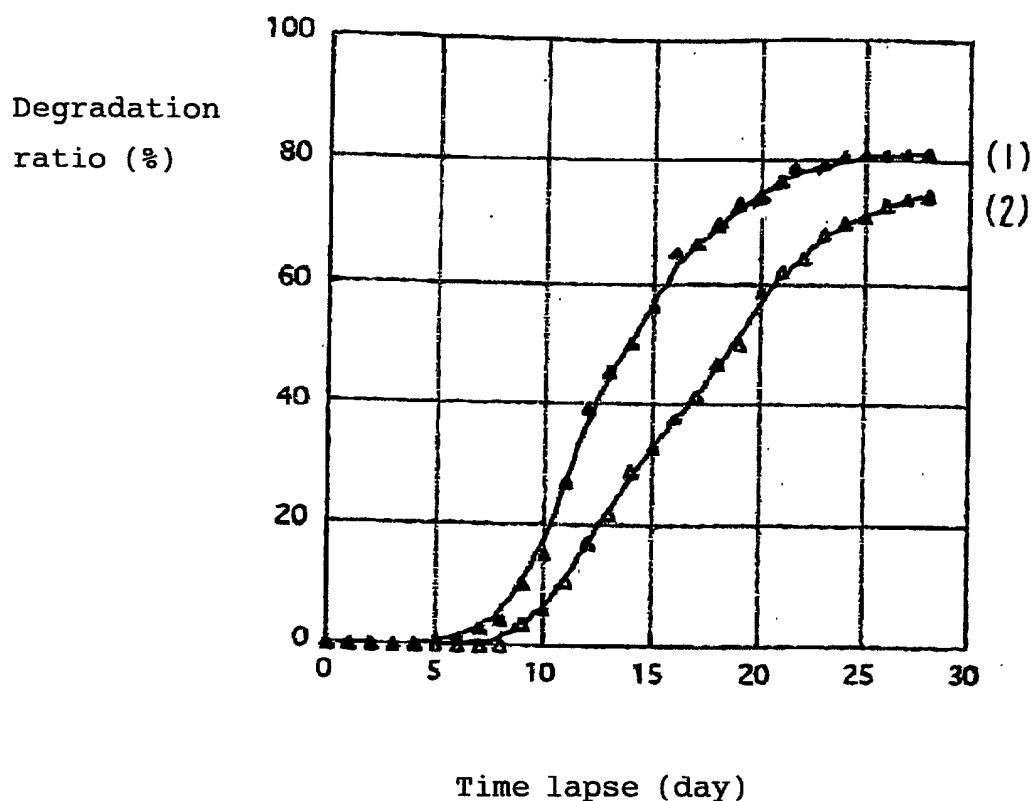
Publication numbers	Title	Current assignees
JP11335913 A	Biodegradable polyester resin composition, biodegradable resin composition, and molded objects of these	DAICEL CHEMICAL INDUSTRIES
WO200478365 A1	Method and primer composition for coating a non-polar substrate	AKZO NOBEL COATINGS
CA2978116 A1	Electrostatic adhesion of dry powders to macro fertilizers	COMPASS MINERALS MANITOBA
US20160102025 A1	Apparatus for the production of plasma-catalytic enhanced water and method of using the same	ADVANCED PLASMA SOLUTIONS
JP2006096570 A	Fertilizer, soil conditioner, and method for reclaiming photographic wastewater	FUJIFILM
JP2016003168 A	Fertilizer particle and method for producing the same	KONICA MINOLTA
US20190062231 A1	Apparatus and methods for fertilizer production	BIO FLEX LABS
LU--66339 A1	Mixing apparatus	ICI - IMPERIAL CHEMICAL INDUSTRIES

Family 1/8 - FAMPAT - ©Questel

Title

(EP1008629)

Biodegradable polyester resin composition, biodisintegrable resin composition, and molded objects of these

Images**Figure I-1**

Evaluation of biodegradability by active sludge

Publication data including kind & date

JP11335913	A	1999-12-07	JP11335913
WO9963001	A1	1999-12-09	WO9963001
JP11349795	A	1999-12-21	JP11349795
JP11346575	A	1999-12-21	JP11346575
JP11346520	A	1999-12-21	JP11346520
JP2000015765	A	2000-01-18	JP2000015765
JP2000079651	A	2000-03-21	JP2000079651
JP2000103025	A	2000-04-11	JP2000103025
JP2000143379	A	2000-05-23	JP2000143379
EP1008629	A1	2000-06-14	EP1008629
JP2000203978	A	2000-07-25	JP2000203978
JP2000226501	A	2000-08-15	JP2000226501



JP2000238194	A	2000-09-05	JP2000238194
JP2000256471	A	2000-09-19	JP2000256471
JP2001055498	A	2001-02-27	JP2001055498
US20020094444	A1	2002-07-18	US20020094444



Abstract

(EP1008629)

The present invention ÄIÜ relates to a biodegradable polyester resin composition comprising an aliphatic polyester resin, a polycaprolactone, and inorganic additives, in which the ratio of the aliphatic polyester resin with respect to the polycaprolactone is 100 parts by weight/1-200 parts by weight and, the ratio of total amount of the aliphatic polyester resin and the polycaprolactone with respect to the inorganic additives is 95-50% by weight/5-50% by weight. The present invention ÄIIÜ relates to a biodegradable throw-away glove obtained by T-die molding a polyester resin composition in which 1-200 parts by weight of a polycaprolactone is mixed with 100 parts by weight of an aliphatic polyester resin to obtain a film having thickness of 40 μ m, and two layers of the film are doubled up to heat-seal into a glove-shape, and circumferential portions are cut off. The present invention ÄIIIÜ relates to a biodegradable stake molded from a polyester resin composition in which 1-200 parts by weight of a polycaprolactone is mixed with 100 parts by weight of an aliphatic polyester resin, and which may contain **fertilizers** and/or chemicals at an inside portion thereof. The present invention ÄIVÜ relates to a protecting material for plants in which there is molded into a net-like shape a polyester resin composition obtained by formulating 1-200 parts by weight of a polycaprolactone and 5-100 parts by weight of talc with 100 parts by weight of an aliphatic polyester resin, and which is wound around a trunk of trees, and prevents an injury eaten by animals. The present invention ÄVÜ relates to a biodegradable tape which comprises molding a lactone resin alone or a lactone-contained resin composition in which the lactone resin is formulated with other biodegradable resins and/or additives for resins, which is excellent in degradability, moldability, and mechanical properties, and which is employed as a tape for wrapping-packing and a pressure sensitive adhesive tape, etc. The present invention ÄVIÜ relates to a biodegradable card characterized by employing as a base material a biodegradable resin composition layer comprising 85-5% by weight of a polylactic acid-based resin (A), 5-50% by weight of an aliphatic polyester resin (B), and 10-45% by weight of a polycaprolactone-based resin (C) (total of the (A)+(B)+(C) is 100% by weight) and, further 5-300 parts by weight of fillers (D) based on 100 parts by weight of the total of the (A)+(B)+(C). The present invention ÄVIIÜ relates to a biodegradable laminated film obtained by laminating a biodegradable resin layer with papers, etc., and the biodegradable resin layer is composed of an aliphatic polyester resin alone which is a succinic acid-1,4-butanediol polyester, a succinic acid-ethyleneglycol polyester, or a succinic acid/adipic acid-1,4-butanediol copolyester, or composed of the aliphatic polyester resin and the polycaprolactone. The present invention ÄVIIIÜ relates to a biodegradable laminated film in which there are laminated at least two different kinds of biodegradable resin layers, and relates to a biodegradable film for agriculture. The present invention ÄIXÜ relates to a biodegradable multi-layers film or sheet comprising a layer (A) composed of a biodegradable aliphatic polyester resin composition which contains an aliphatic polyester having not relatively high biodegradability and an aliphatic polyester resin containing a urethane bond, however, which is more excellent in biodegradability than themselves, and a layer (B) composed of a lactone resin alone or a composition of the lactone resin with a biodegradable resin other than the lactone resin, in which the lactone resin is irradiated solely or together with at least one of other constructing components by ionizing radiation. The present invention ÄXÜ is to a biodegradable thin film having a film thickness of 5-25 μ m, and which comprises a composition of an aliphatic polyester resin having a specified melt flow rate and melt tension with a polycaprolactone. The present invention ÄXIÜ relates a cushion sheet having great many of discontinuous cells, in which there is employed a biodegradable shrink film including a polycaprolactone irradiated by an ionizing radiation. The present invention ÄXIIÜ relates to particle-state products on which there is **coated** a polycaprolactone irradiated by an ionizing radiation and, particularly, it relates to a **coated fertilizer**, **coated** agricultural chemicals, or microcapsule for carbonless copy paper which have a biodegradable thin layer and an excellent storage stability. The present invention ÄXIIIÜ relates to particle-state **fertilizers** on which there is **coated** a biodegradable **coating** layer including a biodegradable polylactone. The present invention ÄXIVÜ relates to a biodisintegrable resin composition which comprises a lactone resin having a specified composition, an aliphatic polyester resin, a fatty acid amide, and a thermoplastic resin having a high impact strength and, further, optionally, in which there are added a liquid lubricant, finely-

powdered silica, and talc.

Family 2/8 - FAMPAT - ©Questel

Title

(EP1601470)

Method and primer composition for **coating** a non-polar substrate

Publication data including kind & date

WO2004078365	A1	2004-09-16	WO200478365			
CA2518089	A1	2004-09-16	CA2518089			
AU2004216851	A1	2004-09-16	AU2004216851			
MXPA05009497	A	2005-10-18	MX2005PA009497			
KR20050110658	A	2005-11-23	KR20050110658			
EP1601470	A1	2005-12-07	EP1601470			
BRPI0408103	A	2006-03-01	BR200408103			
BRPI0408103	A1	2006-03-01	BRPI0408103			
RU2005127867	A	2006-03-10	RU2005127867			
CN1771097	A	2006-05-10	CN1771097			
EP1601470	B1	2006-05-31	EP1601470			
AT327835	T	2006-06-15	ATE327835			
DE602004001044	D1	2006-07-06	DE602004001044			
JP2006519689	A	2006-08-31	JP2006519689			
US20060257671	A1	2006-11-16	US20060257671			
ES2264114	T3	2006-12-16	ES2264114			
ZA200508091	B	2006-12-27	ZA200508091			
DE602004001044	T2	2007-01-04	DE602004001044			
IN2158/CHENP/2005	A	2007-08-31	IN2005CN02158			
CN100357040	C	2007-12-26	CN100357040C			
RU2324672	C2	2008-05-20	RU2324672			
IN224541	B	2008-12-05	IN-224541			
BRPI0408103	A2	2012-05-22	BR200408103			

Abstract

(EP1601470)

This invention relates to a method of **coating** a non-polar substrate comprising the steps of applying a primer comprising one or more silane-functional non-polar polymers on the non-polar substrate and subsequently applying one or more layers of a pigmented **coating** over the primer layer. In a further aspect this invention relates to a primer for a non-polar substrate.

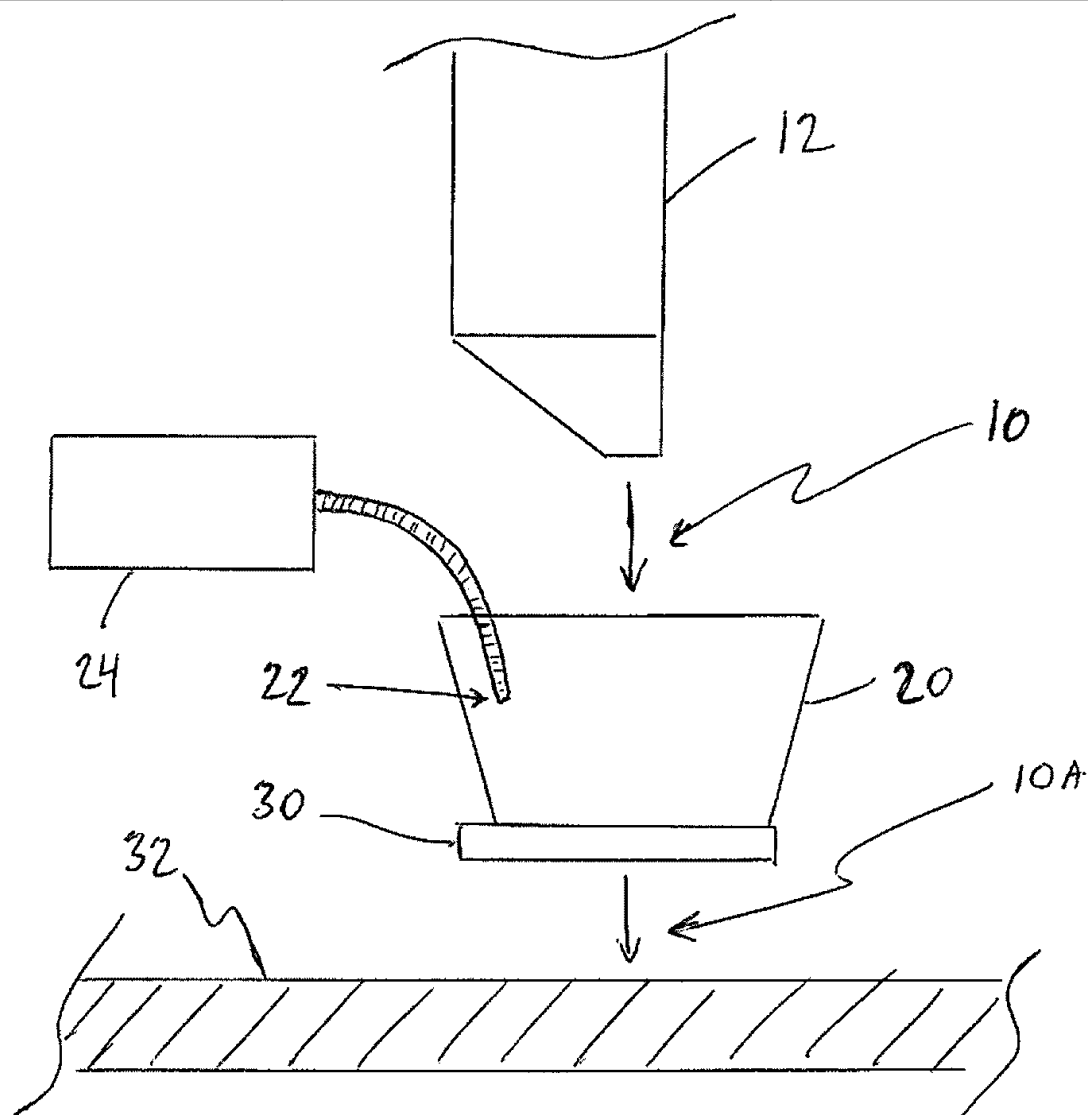
Family 3/8 - FAMPAT - ©Questel

Title

(EP3268836)

Electrostatic adhesion of dry powders to macro **fertilizers**

Images



Publication data including kind & date

CA2978116	A1	2016-09-15	CA2978116				
US20160264486	A1	2016-09-15	US20160264486				
WO2016/141486	A1	2016-09-15	WO2016141486				
US9499450	B2	2016-11-22	US9499450				
BR112017019216	A1	2017-09-19	BR112017019216				
IN201737031312	A	2017-10-13	IN201737031312				
AU2016228920	A1	2017-10-19	AU2016228920				
VN54996	A	2017-11-27	VN--54996				
MX2017011377	A	2017-12-20	MX2017011377				
CO2017010142	A2	2018-01-05	CO2017010142				
EP3268836	A1	2018-01-17	EP3268836				
NZ735854	A	2018-01-26	NZ-735854				
PH12017501565	A1	2018-02-05	PH12017501565				
MA41066	A1	2018-02-28	MA--41066				
CA2978116	C	2018-04-04	CA2978116				
BR112017019216	A2	2018-04-24	BR112017019216				
CL2017002274	A1	2018-05-18	CL2274201700				
CR20170412	A	2018-06-27	CR20170412				
AU2016228920	B2	2018-06-28	AU2016228920				
EP3268836	A4	2018-07-18	EP3268836				

Abstract

(EP3268836)

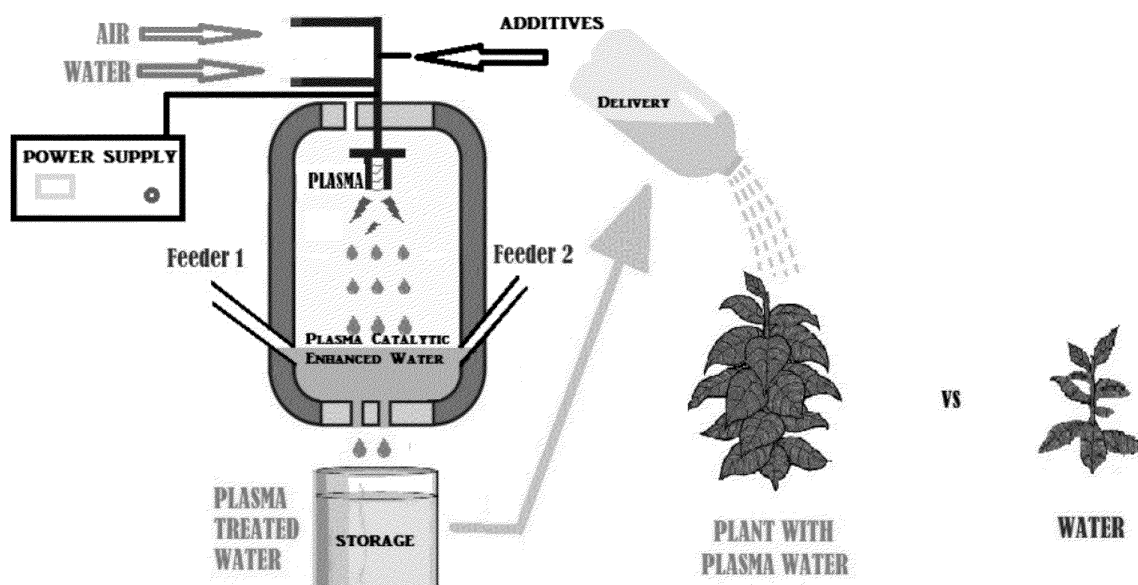
A method for electrostatically adhering an agricultural input powder to an agronomic carrier is described. A dry **nutrient** powder is electrostatically **charged** in a **charging** chamber which has a grounded metal component such that the electrostatically **charged** powder moves towards the metal component. The agronomic carrier is then passed by the **charged** powder such that the **charged** powder adheres to the carrier.

Family 4/8 - FAMPAT - ©Questel

Title

(WO201661051)

Apparatus for the production of plasma-catalytic enhanced water and method of using the same

Images**Publication data including kind & date**

US20160102025	A1	2016-04-14	US20160102025
WO2016061051	A1	2016-04-21	WO201661051

**Abstract**

(WO201661051)

A water processing system is provided for providing plasma-catalytic enhanced water that contributes to improved yield and growth of plants. The system may include a plasma power supply configured to initiate the plasma and regulate the plasma **discharge** current of a plasma **discharge**, a plasma **discharge** reactor connected to the plasma power supply and configured to generate the plasma **discharge**, a pump connected to a water source and configured to deliver water to a nozzle configured to spray water into the plasma **discharge**, a compressor connected to a gas source and configured to deliver a gas for the plasma **discharge**, and collector to collect the water after the water has passed through the plasma **discharge**. Methods of making and applying the plasma-catalytic enhanced water are also provided.

Family 5/8 - FAMPAT - ©Questel

Title

(JP2006096570)

Fertilizer, soil conditioner, and method for reclaiming photographic wastewater**Publication data including kind & date**

JP2006096570	A	2006-04-13	JP2006096570
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Abstract

(JP2006096570)

PROBLEM TO BE SOLVED: To provide a method for reclaiming photographic wastewater into a **fertilizer** or a soil conditioner not causing plant growth inhibition and to thereby reduce load on environmental protection, cost, and workability in photographic wastewater treatment, which method can be practiced even in photographic minilaboratories.

SOLUTION: The **fertilizer** is obtained by removing tar or a tar precursor from photographic wastewater and optionally adjusting component concentrations. Desirably, the **fertilizer** is devoid of silver and halides, or is obtained from photographic wastewater subjected to electrolytic oxidation or chemical oxidation. The soil conditioner utilizing the **fertilizer** is also provided.

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Family 6/8 - FAMPAT - ©Questel

Title

(JP2016003168)

Fertilizer particle and method for producing the same**Publication data including kind & date****JP2016003168** A 2016-01-12 JP2016003168**Abstract**

(JP2016003168)

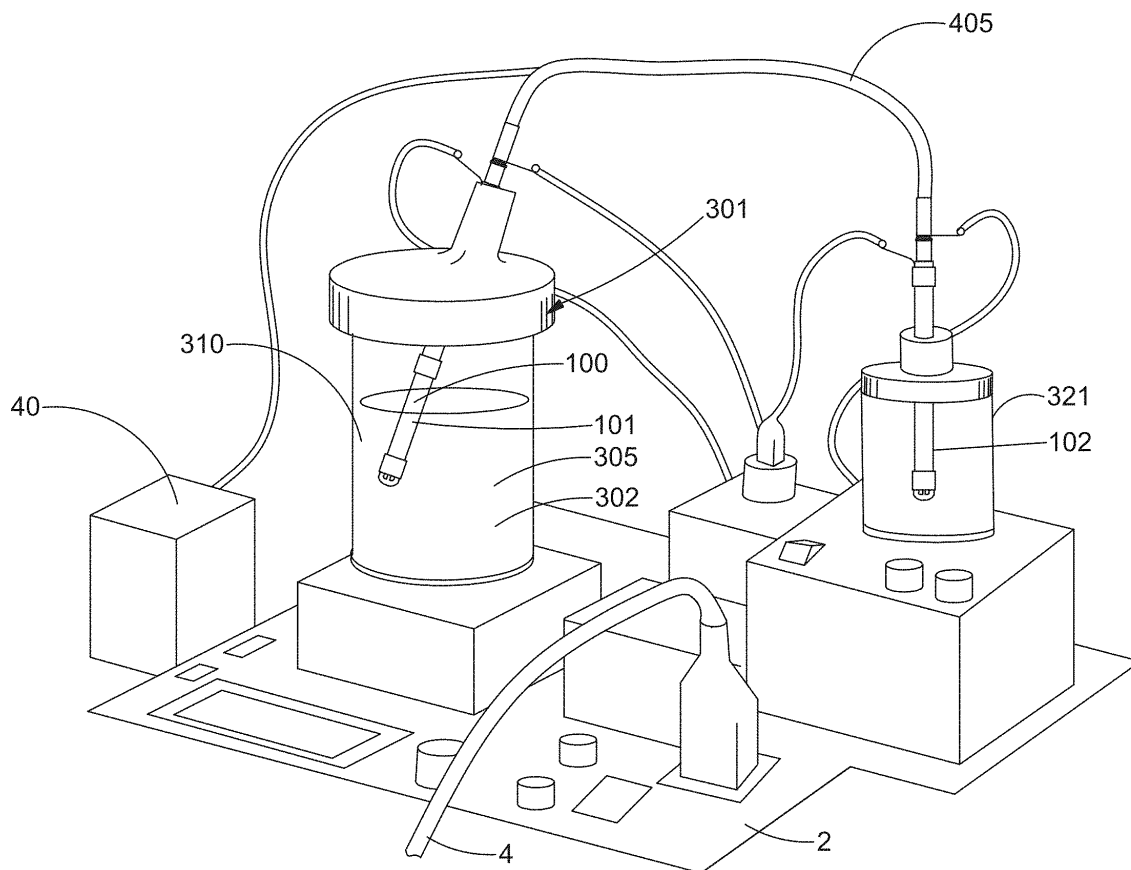
PROBLEM TO BE SOLVED: To provide **fertilizer** particles capable of slow-releasing a liquid **fertilizer** over a long period, in which the slow release of the liquid **fertilizer** is suppressed at the first half of the slow releasing period, and the slow release of the liquid **fertilizer** is promoted at the second half of the slow releasing period. SOLUTION: Provided is a **fertilizer** particle containing a liquid **fertilizer** including a **fertilizer** component and a shell involving the liquid **fertilizer**. The shell is composed of a resin composition including a resin and a slow release amount adjuster having hydrophobicity higher than that of the resin. The slow release amount adjuster is preferably selected from the group consisting of wax, fatty acid, fatty acid salt, fatty acid ester, higher alcohol and silicone.

Family 7/8 - FAMPAT - ©Questel

Title

(WO201940775)

Apparatus and methods for **fertilizer** production**Images**

**Publication data including kind & date**[WO2019/040775](#)

A1 2019-02-28

WO201940775

[US20190062231](#)

A1 2019-02-28

US20190062231

**Abstract**

(WO201940775)

Systems and apparatuses for converting nitrogen gas, such as from ambient air, into **fertilizer** via interaction with a controlled plasma field using low energy inputs. Mechanisms and methods for cooling splitter apparatuses during production of **fertilizer** from nitrogen gas. Methods of producing **fertilizer** from nitrogen gas, such as ambient air, via a splitter creating a plasma output, and for collecting produced **fertilizer**.

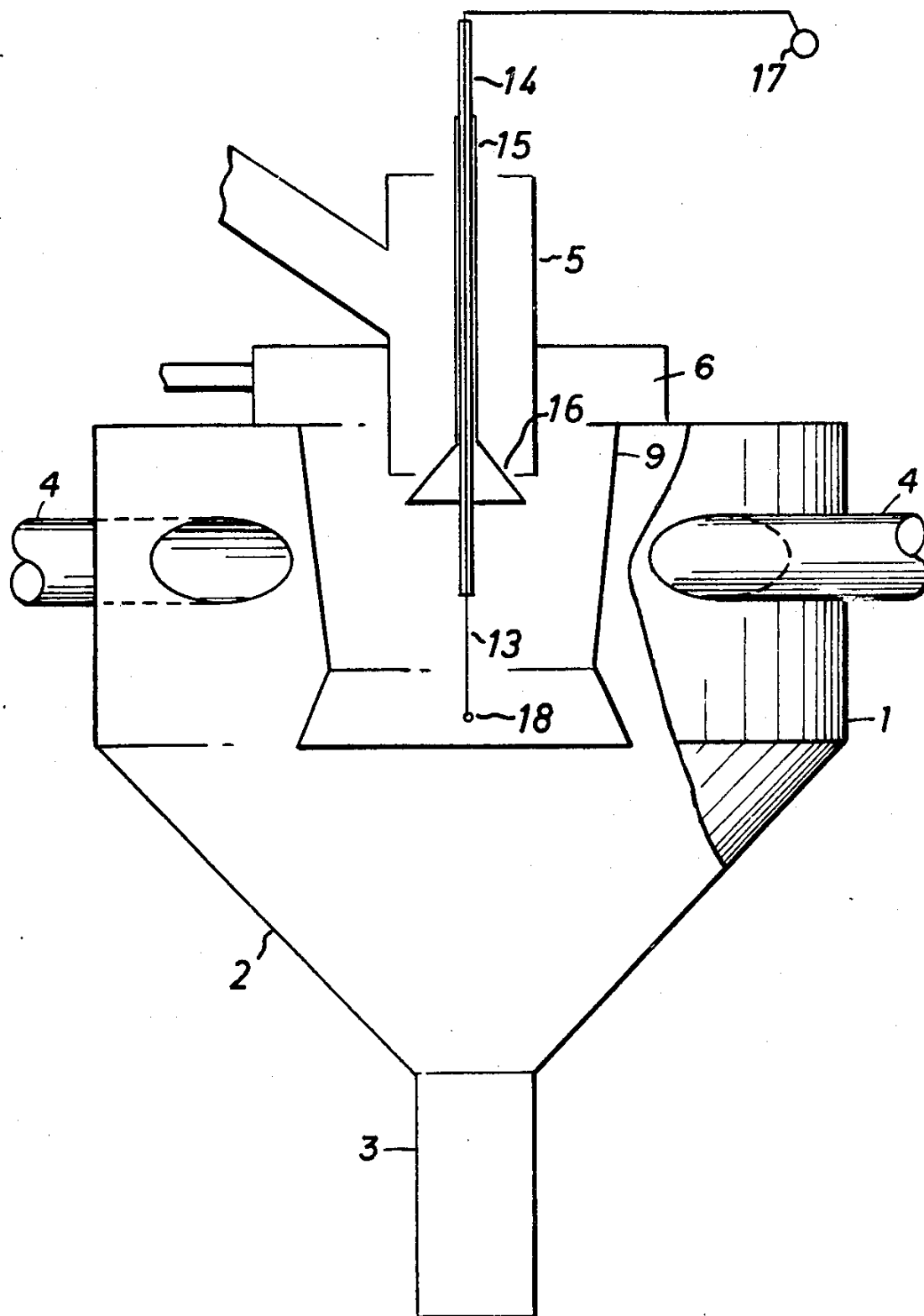
Family 8/8 - FAMPAT - ©Questel

Title

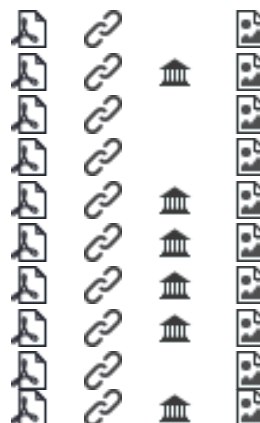
(US3856269)

Mixing apparatus

Images


Publication data including kind & date

LU66339	A1	1973-02-05	LU--66339
BE790515	A	1973-02-15	BE-790515
IE36791	L	1973-04-25	IE3600791
NL7214415	A	1973-04-27	NL7214415
DE2252421	A1	1973-05-03	DE2252421
AU4814572	A	1974-04-26	AU7248145
FR2206120	A	1974-06-07	FR2206120
FR2206120	A1	1974-06-07	FR2206120
IT975360	B	1974-07-20	IT-975360



US3856269	A	1974-12-24	US3856269				
JPS5047253	A	1975-04-26	JP50047253				
DK131027	B	1975-05-20	DK-131027				
CA967946	A	1975-05-20	CA-967946				
DK131027	C	1975-10-27	DK-131027C				
SE7513945	A	1975-12-10	SE7513945				
NO133228	B	1975-12-22	NO-133228				
GB1420305	A	1976-01-07	GB1420305				
AT334329	B	1976-01-10	AT-334329				
NO133228	C	1976-03-31	NO-133228				
ATA913772	A	1976-05-15	AT7209137				
AU474503	B2	1976-07-22	AU-474503				
FR2206120	B1	1976-08-20	FR2206120				
IE36791	B1	1977-02-16	IE--36791				
JPS5414773	B2	1979-06-09	JP79014773				
JP980362	C	1979-12-18	JP-980362				

Abstract

(US3856269)

Apparatus for mixing liquids and particulate solids wherein a continuous vortex of liquid is formed in a funnel and particulate solids are dropped along the axis of the funnel and deflected radially outward into the vortex. The deflection is accomplished by a corona discharge electrode. The invention is particularly applicable to the manufacture of high potash prilled NPK fertilizers.