

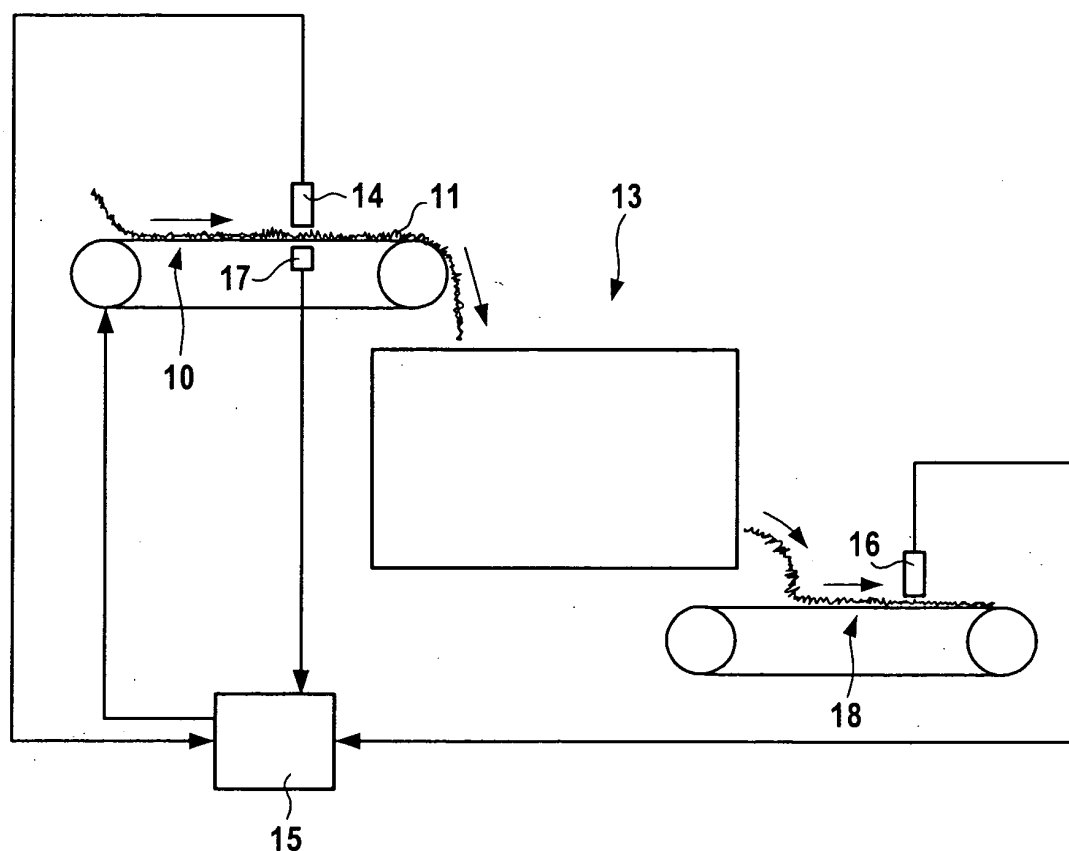
8 Documents

Publication numbers	Title	Current assignees
EP1516544 A1	Drying plant for tobacco and method for drying tobacco	HAUNI MASCHINENBAU
BR102014031694 A1	Method for drying and/or crystallising bulk material and plant for carrying out this method	MOTAN HOLDING
CN104944735 A	Dewatering and drying treatment method used in biological sludge plant, sludge dewatering extruder and sludge drying extruder	LIU JIANGUO
WO200177630 A2	Method and device for non-invasively determining moisture content and uniformity of solid plant matter during on-line drying or cooling forced-air treatment	MALCAM, ...
CA2123958 A1	Method and device for measuring the humidity of hot air and hot air drying plant using this device.	3R
EP1923649 A2	Method for drying a material to be dried and plant for carrying out the method	ALFONS TSCHRITTER
FR2969598 A1	Method and facility for drying pasty products, in particular wastewater treatment plant sludge	DEGREMONT
WO2014112075 A1	Drying conveyor device, drying plant, thermal power generation system, method for operating drying conveyor device, and method for operating thermal power plant	BABCOCK HITACHI

Family 1/8 - FAMPAT - ©Questel

Title

(EP1516544)

Drying plant for tobacco and **method** for **drying** tobacco**Images****Publication data including kind & date**

EP1516544	A1	2005-03-23	EP1516544
JP2005087214	A	2005-04-07	JP2005087214
CN1605293	A	2005-04-13	CN1605293
US20050091877	A1	2005-05-05	US20050091877
EP1516544	B1	2007-06-27	EP1516544
AT365470	T	2007-07-15	ATE365470
DE502004004177	D1	2007-08-09	DE502004004177

**Abstract**

(EP1516544)

Drying plant for **drying** tobacco material (11) comprises a **drying** device (13) for **drying** the tobacco passing through it and a measurement arrangement for producing a measurement signal that depends on the moisture of the incoming tobacco. A control unit (15) controls the **drying** device and speeds or slows the supply of tobacco through it, dependent on the measured incoming moisture level. An independent claim is made for a **method** for controlling the **drying** of tobacco in a tobacco **drying plant**.

Inventors

ZIELKE DIETMAR

WENCK UWE

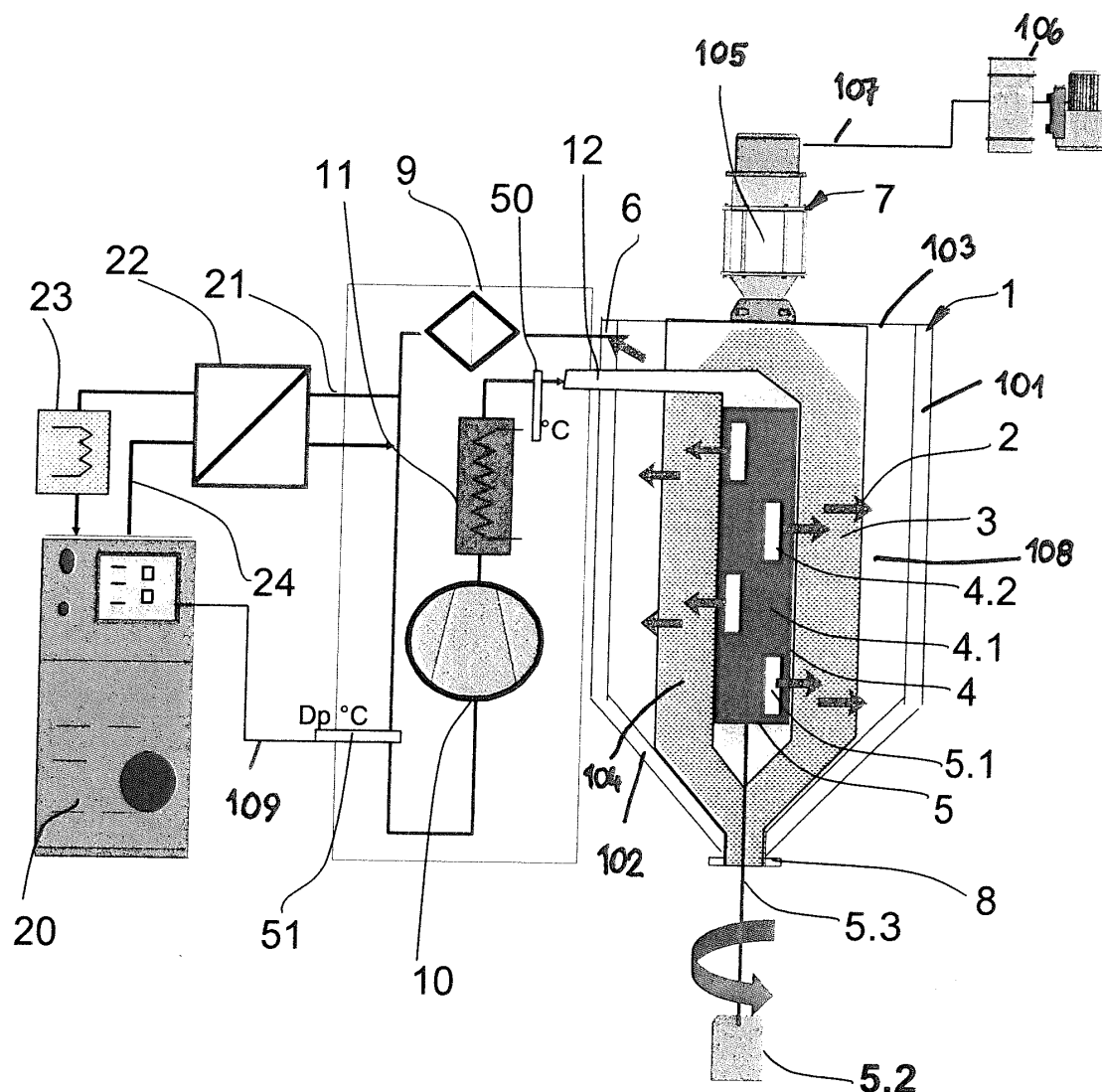
Latest standardized assignees - inventors removed

HAUNI MASCHINENBAU

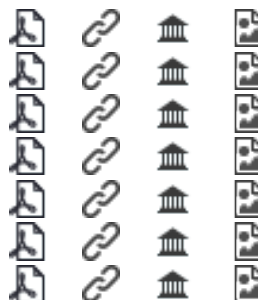
Family 2/8 - FAMPAT - ©Questel

Title

(EP2886984)

Method for **drying** and/or crystallising bulk material and **plant** for carrying out this **method****Images****Publication data including kind & date**

BR102014031694	A1	2015-01-06	BR102014031694
DE102013022092	A1	2015-06-18	DE102013022092
EP2886984	A2	2015-06-24	EP2886984
US20150176896	A1	2015-06-25	US20150176896
CN105043016	A	2015-11-11	CN105043016
EP2886984	A3	2016-01-20	EP2886984
BR102014031694	A2	2016-06-28	BR102014031694

**Abstract**

(EP2886984)

In a **method** for **drying** and/or crystallizing bulk material, a **drying** medium is passed through bulk material present in a **drying** chamber and the **drying** chamber with the bulk material is put under a partial vacuum at least for part of a **drying** time of the bulk material. A device for performing the **method** has at least one **drying** container with a **drying** chamber for bulk material, at least one supply line for a **drying** medium connected to the at least one **drying** container, and at least one return

air line connected to the at least one **drying** container. At least one partial-vacuum generator is provided to put at least the **drying** chamber under a partial vacuum at least for part of a **drying** time of the bulk material.

(From US2015176896 A1)

Inventors

KÜHNAU HOLGER

KAUPEL THOMAS

Latest standardized assignees - inventors removed

MOTAN HOLDING

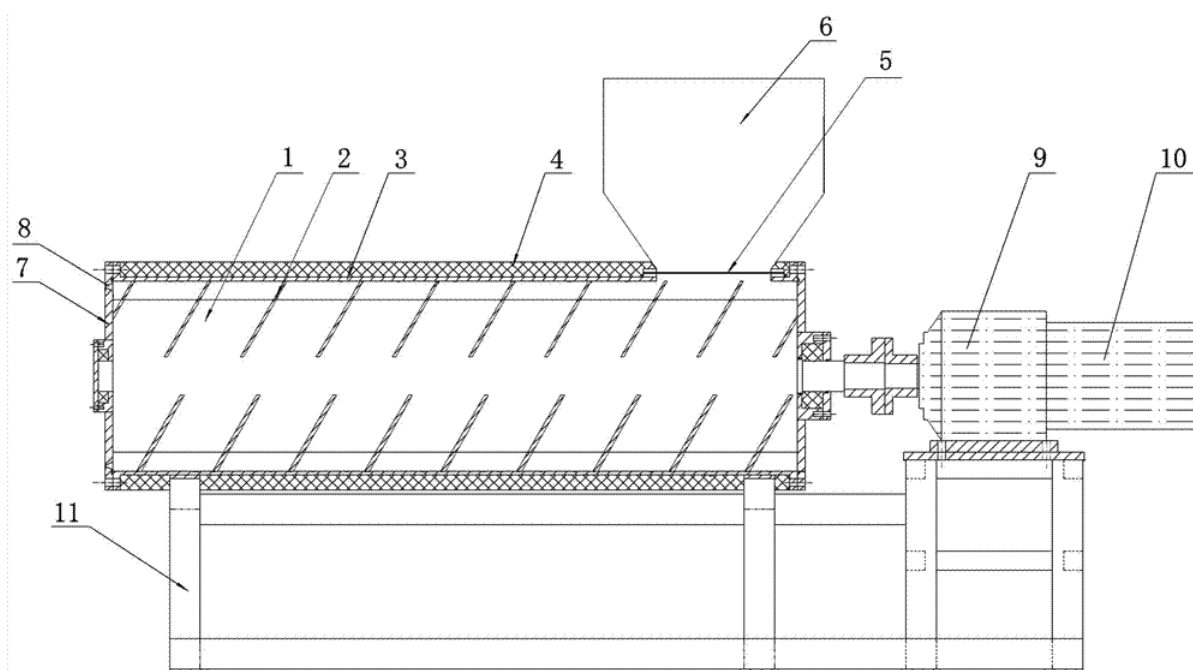
Family 3/8 - FAMPAT - ©Questel

Title

(CN104944735)

Dewatering and **drying** treatment **method** used in biological sludge **plant**, sludge dewatering extruder and sludge **drying** extruder

Images



Publication data including kind & date

CN104944735	A	2015-09-30	CN104944735
CN104944735	B	2017-12-01	CN104944735B



Abstract

(CN104944735B)

The invention relates to an on-site biological sludge harmless disposal **method** and equipment. The dewatering and **drying** treatment **method** used in a biological sludge **plant** comprises the following steps: (1) a sludge dewatering process: biological sludge generated by wastewater treatment is fully mixed with a treatment chemical through a mixer to become diluted sludge which is then dewatered by the sludge dewatering extruder; (2) a sludge **drying** process: the dewatered sludge is subjected to harmless disposal, then dried sludge is added to control the water content to be 48-52%, and after that, a sludge **drying** extruder is adopted for **drying**. A sludge **drying** extruder comprises a screw cylinder casing with a screw mechanism arranged therein, and the screw mechanism comprises a hollow cylinder screw and a screw propeller. A sludge dewatering extruder comprises a filtering screw cylinder with a screw mechanism arranged therein, the screw mechanism comprises a hollow cylinder screw and screw blades arranged at the outer edge of the hollow cylinder screw, and 6-10 scrapers are embedded between the screw blades and are perpendicular to the hollow cylinder screw in the longitudinal direction.

Inventors

LIU JIANGUO

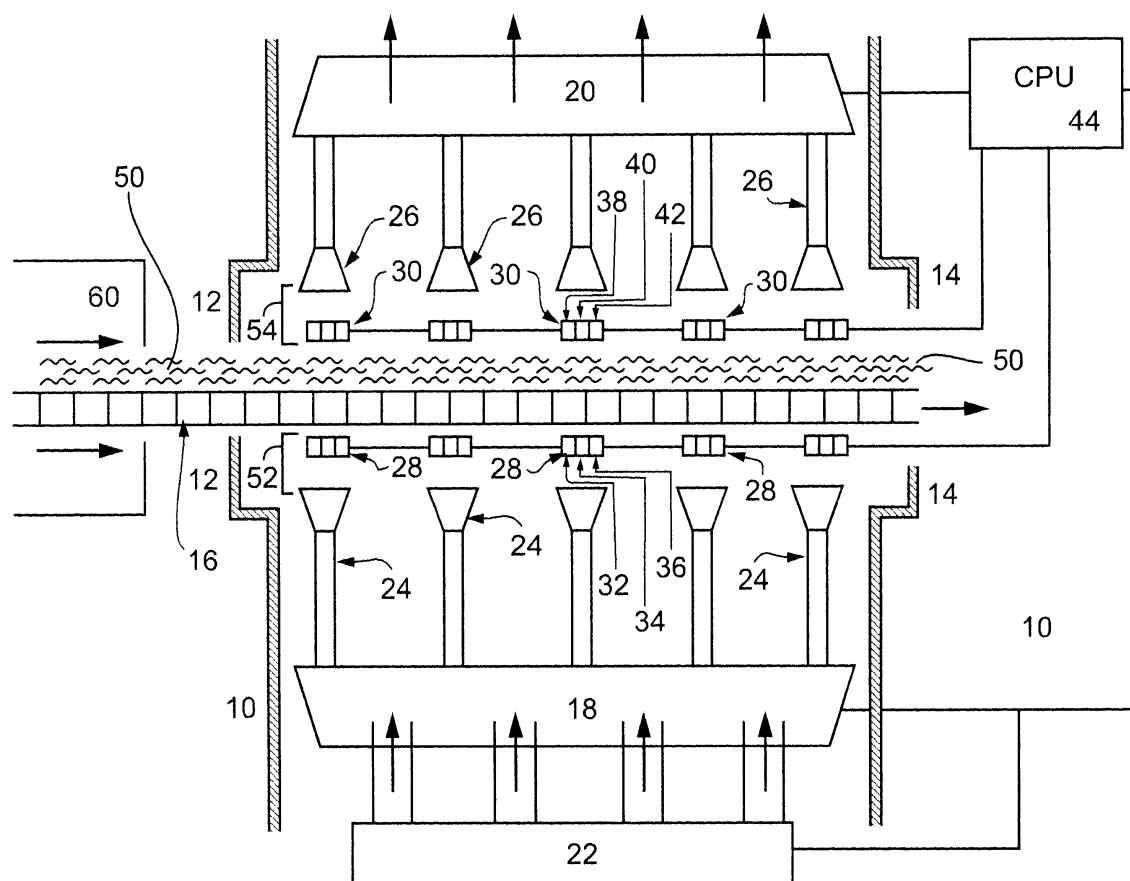
LIU SIJIA

Family 4/8 - FAMPAT - ©Questel

Title

(EP1277044)

Method and device for non-invasively determining moisture content and uniformity of solid **plant** matter during on-line **drying** or cooling forced-air treatment

Images**Publication data including kind & date**

WO200177630	A2	2001-10-18	WO200177630
AU4926401	A	2001-10-23	AU200149264
WO200177630	A3	2002-03-14	WO200177630
US6463794	B1	2002-10-15	US6463794
EP1277044	A2	2003-01-22	EP1277044
EP1277044	A4	2010-03-03	EP1277044

**Abstract**

(EP1277044)

Method and device (10) for non-invasively determining moisture content and uniformity of solid **plant** matter (50) during on-line **drying** or cooling forced-air treatment featuring measuring primary operating parameters of temperature, humidity, and flow rate of forced-air entering and exiting the volume of solid **plant** matter moving through an on-line **drying** or cooling forced-air treatment device (10). Empirically determined data relating the influence of secondary operating parameters of volumetric bulk material transport rate of the solid **plant** matter, type of the solid **plant** matter, and physicochemical characteristics and properties of the solid **plant** matter, on the sensing and measuring of the primary forced-air operating parameters are used for process correcting raw temperature, humidity, and flow rate, parametric values of the forced-air entering and exiting the solid **plant** matter, leading to the determination of highly accurate and reproducible values of moisture content and uniformity of the solid **plant** matter. Moisture content and uniformity values correspond to the volume of the solid **plant** matter.

Inventors

MOSHE DANNY S

GREENWALD ALEXANDER

TSYPTO NIKOLAY

Latest standardized assignees - inventors removed

MALCAM

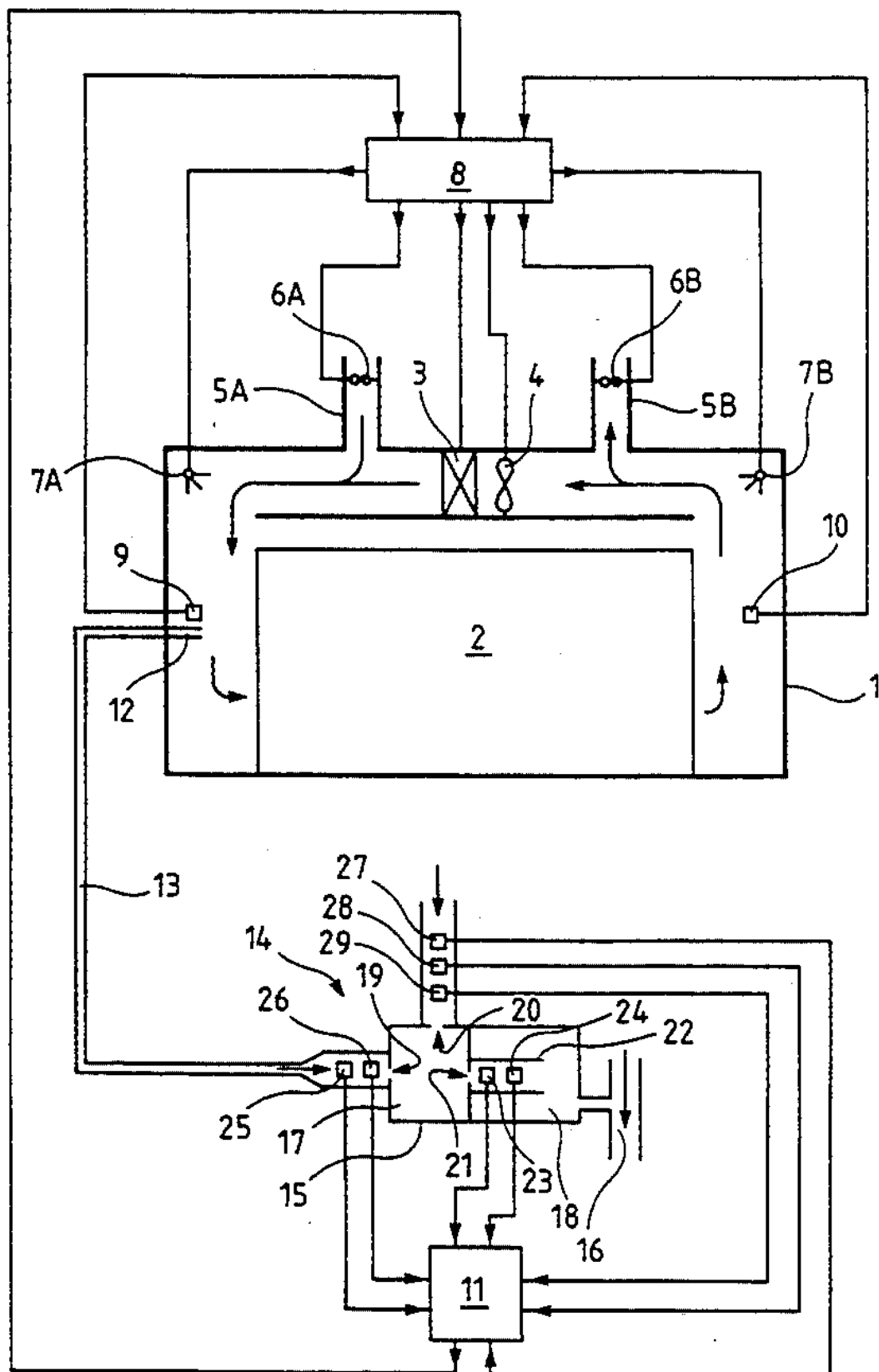
AM VISION TECHNOLOGIES

Family 5/8 - FAMPAT - ©Questel

Title

(EP-633461)

Method and device for measuring the humidity of hot air and hot air **drying plant** using this device.**Images**



Publication data including kind & date

CA2123958	A1	1994-11-22	CA2123958
FR2705461	A1	1994-11-25	FR2705461
EP0633461	A2	1995-01-11	EP-633461
EP0633461	A3	1995-02-15	EP-633461
US5431040	A	1995-07-11	US5431040
FR2705461	B1	1995-08-11	FR2705461



Abstract

(EP-633461)

The invention proposes to dilute, under known conditions, hot air, for example that circulating in a **drying** oven (1), with cool air, for example external air, the humidity of which is known, in order to obtain mixed air whose characteristics are suitable for conventional humidity sensors, for example a psychrometer; and to deduce the humidity of the hot air from known dilution conditions, the known humidity of the cool air and the measured humidity of the mixed air. In order to dilute the hot air, use is preferably made of a mixer (14) comprising an enclosure (15) connected to a suction source (16). <IMAGE>

Inventors

AIME, BRUNO

Latest standardized assignees - inventors removed

3R

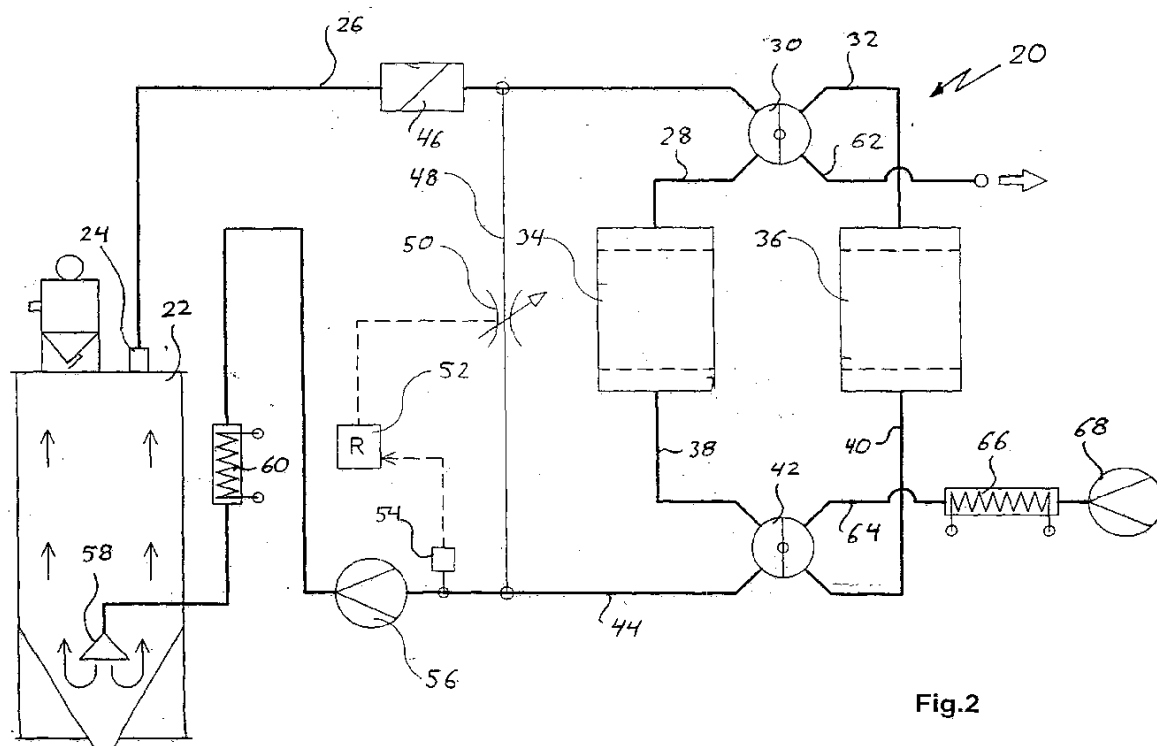
Family 6/8 - FAMPAT - ©Ouestel

Title

(EP1923649)

Method for drying a material to be dried and plant for carrying out the method

Images



Publication data including kind & date

EP1923649	A2	2008-05-21	EP1923649
DE102006054543	A1	2008-05-21	DE102006054543
EP1923649	A3	2009-10-28	EP1923649



Abstract

(EP1923649)

The **method** involves conducting dry air through a material e.g. plastic granule, to be dried to dehumidify the material, where the air is supplied and dried by **drying** devices (34, 36) e.g. desiccant cartridge. The dried air is again supplied to the material by the devices. The humidity of the air conducted to the material is regulated based on a predetermined reference value. The humidity of the air supplied from the devices is regulated to regulate the humidity of the air supplied to the material. The humidity of the air supplied from the devices is changed by controlling air temperature. An independent claim is also included for a system for executing a **method** for **drying** a material to be dried.

Inventors

TSCHRITTER JENS

TSCHRITTER THORSTEN

Latest standardized assignees - inventors removed

ALFONS TSCHRITTER

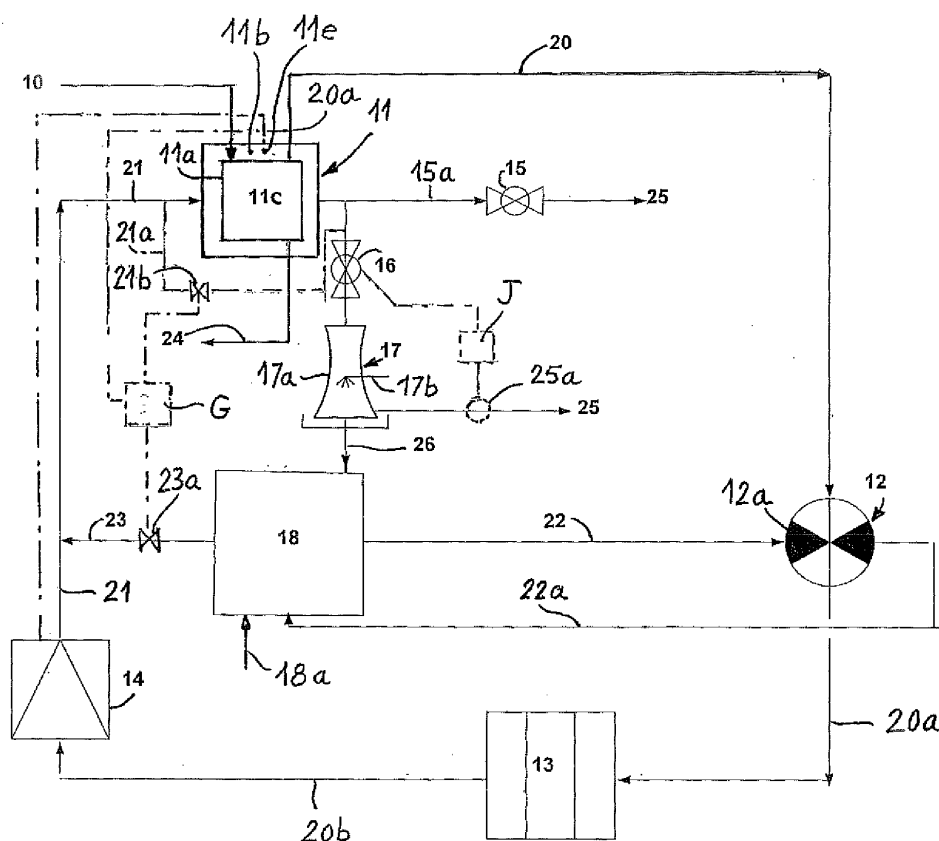
Family 7/8 - FAMPAT - ©Questel

Title

(WO201290135)

Method and facility for **drying** pasty products, in particular wastewater treatment **plant** sludge

Images

**Publication data including kind & date**

FR2969598	A1	2012-06-29	FR2969598
WO2012090135	A1	2012-07-05	WO201290135
FR2969598	B1	2013-01-18	FR2969598

**Abstract**

(WO201290135)

The invention relates to a **method** for **drying** pasty products, in particular wastewater treatment **plant** sludge, comprising the following steps in which: the pasty products are introduced into an indirect dryer (11) which supplies dried sludge at one outlet (24) and mist formed by water vapour, non-condensable gases and dust at another outlet (20); a portion of the mist condensation heat is collected in order to be transmitted to the sludge to be dried in the indirect dryer; the mist originating from the indirect dryer is heated (12) and passed through a filter (13), in particular a bag filter, in order to trap the dust, and the filtered mist is compressed (14) before being injected into the indirect dryer for the condensation thereof.

Inventors

PARDO PIERRE EMMANUEL

Latest standardized assignees - inventors removed

DEGREMONT

Family 8/8 - FAMPAT - ©Questel

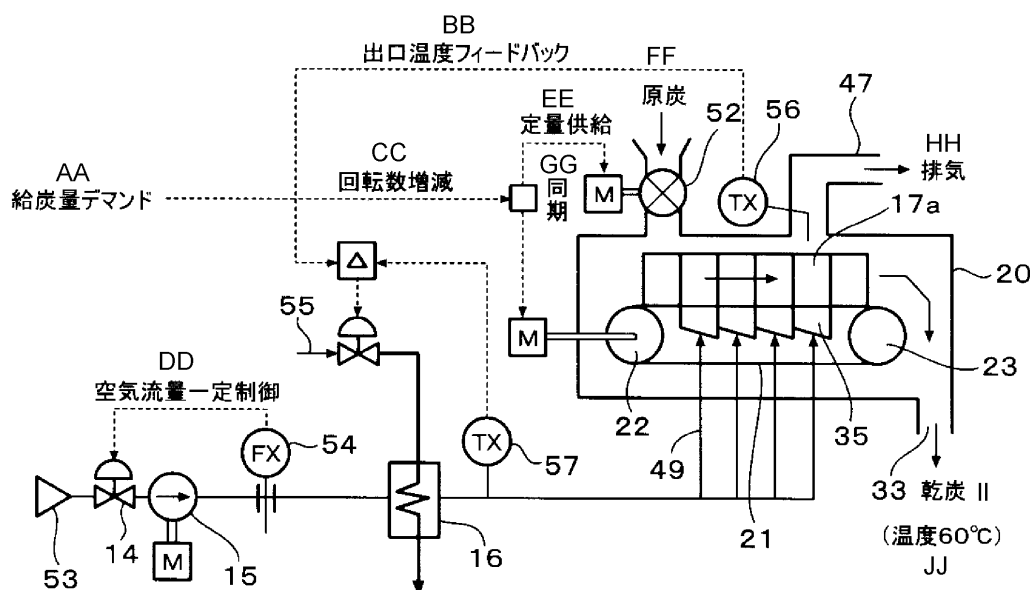
Title

(WO2014112075)

Drying conveyor device, **drying plant**, thermal power generation system, **method** for operating **drying** conveyor device, and **method** for operating thermal power **plant**

Images

[図12]



AA... COAL FEED AMOUNT DEMAND
 BB... OUTLET TEMPERATURE FEEDBACK
 CC... ROTATIONAL FREQUENCY INCREASE/DECREASE
 DD... CONSTANT AIR FLOW VOLUME CONTROL
 EE... CONSTANT-QUANTITY SUPPLY
 FF... RAW COAL
 GG... SYNCHRONIZED
 HH... EXHAUST
 II... DRY COAL
 JJ... TEMPERATURE 60°C

Publication data including kind & date

WO2014112075

A1 2014-07-24 WO2014112075

**Abstract**

(WO2014112075)

Provided is a low-cost **drying** conveyor device with which a decrease in pH value does not occur, and with which exhaust accompanied by bad odors is not generated under high COD. This **drying** conveyor device is characterized by having buckets (17) in which coarse particles (2) are stored and transported, wind boxes (35) that supply heated air from the bottom of the buckets (17), a thermometer (56) that measures the device outlet temperature, and a heat exchanger (16) that adjusts the temperature of the heated air, with the temperature of the heated air being adjusted such that the device outlet temperature is 100°C or less.

Inventors

MIYATA TERUFUMI

GONDO HIROSHI

TAOKA YOSHINORI

SUGASAWA MITSUGU

OKADA TAKAHIRO

SATO SHUNICHI

YOSHIZAKO HIDEHISA

Latest standardized assignees - inventors removed

BABCOCK HITACHI