

Search history

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1	4214	((GRAIN AND PRESS) AND (SENSOR AND TEMPERATURE))/BI/SA/KEYW/IN/PA

100 Documents

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EP1947689 A2	High temperature fine grain aluminium heater	APPLIED MATERIALS
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CN206862399U U	Shaft -like grain humidity detection instrument ware	ANHUI JULI GRAIN MACHINE TECHNOLOGY
CN106034579 A	Automatic control device and automatic control method for grain silo	BEIJING LIANG AN TECHNOLOGY, ...
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CN208608657U U	Wiring structure in squat silo or vertical silo's grain condition monitoring and control system storehouse	SINOGRain CHENGDU GRAIN STORAGE RESEARCH INSTITUTE
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CN106590925 A	Degreasing device of sunflower seed oil and process thereof	HUBEI YUANDA GRAIN & OIL TECHNOLOGY
CN208627342U U	Thermostat water bath	GUIZHOU SIFANG GRAIN & OIL
EP2348294 A1	Thermopile infrared sensor in monolithic silicon microstructure	HEIMANN SENSOR
CN109121752 A	Intelligent rotary ventilation grain storage drying bin and drying method thereof	LIAONING RESEARCH INSTITUTE OF GRAIN SCIENCE

Publication numbers	Title	Current assignees
CN205844807U U	Hydraulic oil press automatic control device	WUZHONG XINGDA GRAIN & OIL
CN2832282U Y	Quality adjusting machine for administering liquor to grain	CHENGDU GRAIN STORAGE RESEARCH INSTITUTE STATE ADMINISTRATION OF GRAIN RESERVE
CN205998536U U	Grog heat preservation system of extracting oil	YUNNAN DIANXUE GRAIN & OIL
CN202573103U U	Pressing bar cooling device of spiral oil press	HENAN UNIVERSITY OF TECHNOLOGY, ...
CN102700159 A	Twin-screw oil press with cooling device	HENAN UNIVERSITY OF TECHNOLOGY, ...
CN102589749 A	Temperature measurement cable component of grain condition measurement and control system	BU YULIANG
CN102818594 A	Low- temperature grain dynamic detector with thermostat automatic control system	QUANJIAO JINZHU MECHANICAL MANUFACTURING
CN202869534U U	Low- temperature grain dynamic detector with thermostat automatic control system	QUANJIAO JINZHU MECHANICAL MANUFACTURING
CN202623330U U	Twin-screw oil press with cooling device	HENAN UNIVERSITY OF TECHNOLOGY, ...
EP3167972 A1	Method for manufacturing pure niobium end group components for superconducting high-frequency acceleration cavity	SHINOHARA PRESS SERVICE, ...
CN108036807 A	Connection part for multi-parameter measurement of grain situation	ZHEJIANG GRAIN RESERVE MANAGEMENT
EP3260024 A1	Juicing systems and methods	FRESH PRESS
US20130208764 A1	Composite material for a temperature sensor , and a method of manufacturing a temperature sensor using the same	HYUNDAI MOTOR, ...
CN202573102U U	Pressed-oil cooling device for spiral oil presses	HENAN UNIVERSITY OF TECHNOLOGY, ...
CN108300560 A	Temperature -controlled drum seed frying machine with fully-automatic seed unloading function	ANHUI TAIHU COUNTY MINGFENG GRAIN & OIL MACHINERY MANUFACTURING
CN204074128U U	Rubber roller rice huller	ZHEJIANG HENGLE GRAIN
CN102333388 A	Method and system for grouping wireless sensor networks, as well as sensor and data sink node	ZHEJIANG TOPSUN LOGISTIC CONTROL, ...
CN104817399 A	Intelligent preparation system and preparation method for synthesizing quick-acting and slow-release integrated	ANHUI JULI GRAIN MACHINE TECHNOLOGY

Publication numbers	Title	Current assignees
	efficient ecological compound fertilizer through straw microbial fermentation	
JP2014129216 A	Production method of inorganic material for optical element	JAPAN ULTRA HIGH TEMPERATURE MATERIALS RESEARCH CENTER
CN108332805 A	Cereal situation detection and control wiring system	SINOGRain CHENGDU GRAIN STORAGE RESEARCH INSTITUTE
CN103257170 A	Portable tube-type wide domain oxygen sensor and manufacturing method thereof	SUZHOU HESU SENSOR SCIENCE & TECHNOLOGY
CN105774012 A	Oil squeezing robot	MIANYANG HUIDA GRAIN & OIL
JP5295421 B1	Inorganic material for optical element	JAPAN ULTRA HIGH TEMPERATURE MATERIALS RESEARCH CENTER
JP10146854 A	Integral forming method of automotive carpet having three dimensional shape	NAMBA PRESS WORKS
JP2017109223 A	Production method for metal product using new shearing/punching method	SHINOHARA PRESS SERVICE, ...
EP-833550 A2	Circuit board with strain relief for connecting cable, process for manufacturing and connecting the same as well as its use	HERAEUS SENSOR NITE
CN107987953 A	Sesame oil production cycle oil filtering device	ANHUI PROVINCE YINGSHANG COUNTY SANJIN GRAIN & OIL
CN103937594 A	Intelligent program control production process of small-squeezed refined peanut oil	SHANDONG JINSHENG GRAIN OIL
JP2017109224 A	Manufacturing method of metal product using new forging processing method	SHINOHARA PRESS SERVICE, ...
CN202547799U U	Temperature measurement cable assembly of grain situation measurement and control system	BU YULIANG
CN105080732 A	Pressing multistage centrifugal machine with automatic reminding function	CHENGDU XINJIN YINGXIAN GRAIN & OIL
CN207330874U U	Giving off a strong fragrance oil workshop full automatization preparation equipment	YIHAI GRAIN & OIL INDUSTRY
CN206827765U U	Whole roll of bag making device of braided bag	ZHENGZHOU JINGU GRAIN MECHANICAL ENGINEERING EQUIPMENT
CN108792744 A	Device of making whole roll of woven bags	ZHENGZHOU JINGU GRAIN MECHANICAL ENGINEERING EQUIPMENT

Publication numbers	Title	Current assignees
EP2995395 A1	Surface grain refining hot-shearing method and product of surface grain refining hot-shearing	NIPPON STEEL
EP-225392 A1	Resin-bonded magnetic composition and process for producing magnetic molding therefrom	TAKEUCHI PRESS INDUSTRIES, ...
WO9705087 A1	Airbag explosive composition and process for producing said composition	NIPPON KAYAKU
DE102010002806 A1	Sensor e.g. temperature sensor , for detecting physical property i.e. temperature , of exhaust gas in exhaust system of internal combustion engine, has body containing press granulate injected transverse to longitudinal extension of conductor	ROBERT BOSCH
JP2007132754 A	Temperature sensor element and method of manufacturing temperature sensor element	NGK SPARK PLUG
CN203919772U U	Small-sized constant- temperature domestic oil press	HUANG AIMIN
CN102486389 A	Grain bin temperature and humidity measuring device of wireless sensor network	SHENYANG LIGONG UNIVERSITY
WO2011136193 A1	Temperature sensor comprising temperature sensing element	DENSO
CN1749715 A	Heterogeneous ceramic temperature sensor and its preparing method	HARBIN INSTITUTE OF TECHNOLOGY
EP-498386 A1	Temperature sensor and method of making it	EGO BLANC & FISCHER, ...
KR20140072928 A	Temperature sensor unit for hot stamping mold	SUNGWOO HITECH
US20090268779 A1	Temperature sensor element and method of manufacturing the same	NGK SPARK PLUG
CN102322893 A	Oil-filled temperature and pressure combined sensor	CHINA ELECTRONICS TECHNOLOGY
JP04353730 A	Temperature sensor for cooking device	PANASONIC
EP-921533 A1	Method of producing laminated permanent magnet	NEOMAX
US6318000 B1	Circulating type grain drying machine	SATAKE ENGINEERING
EP1253121 A2	Grain oriented ceramics and a production process thereof, as well as an anisotropically-shaped powder and a production process thereof	TOYOTA CENTRAL RESEARCH & DEVELOPMENT LABS
CN109618680 A	Agricultural grain storage precision moulding of the discharge beater ration	ZHENGZHOU CHENGHE INFORMATION TECHNOLOGY
WO201633347 A1	Balanced cell for high-pressure high- temperature press	NOVATEK IP
WO200106042 A1	Method for single crystal growth of barium titanate and barium titanate solid solution	CERACOMP
CN205409602U U	Grain machine is pressed to two pressures grain room fodder	CHONGQING HUAWANLUN BIOLOGICAL NEW ENERGY TECHNOLOGY

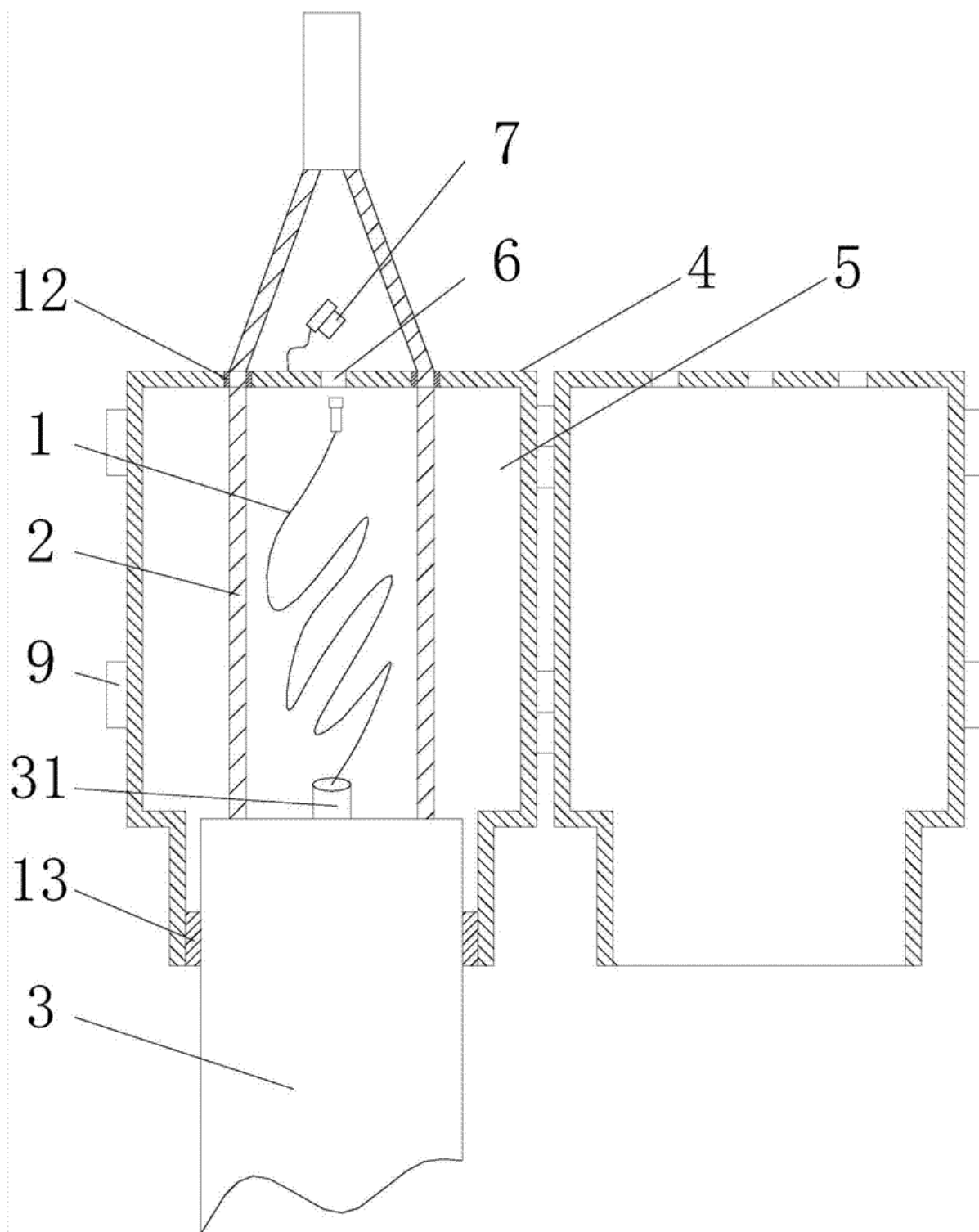
Publication numbers	Title	Current assignees
CN205138655U U	Grain drying case temperature sensor structure of adjustable position	FAN YUMING
EP2400858 A2	Protein preparation produced from rape seeds	FRAUNHOFER
CN202066613U U	Oil-filled temperature pressure combined sensor	CHINA ELECTRONICS TECHNOLOGY
EP1191552 A2	Bulk exchange-spring magnet, device using the same, and method of producing the same	NISSAN MOTOR
EP-810425 A1	Electrical resistance temperature sensor	EGO - ELEKTRO GERAETEBAU OBERWEILER
EP-437613 A1	Laminated and grain boundary insulated type semiconductor ceramic capacitor and method of producing the same	PANASONIC
JP05232064 A	Press method for exhaust gas sensor	MAZDA MOTOR, ...
CN102998023 A	Sliding temperature tactile sensor	SOUTHEAST UNIVERSITY NANJING
EP1775274 A1	Sintered electroconductive oxide, thermistor element using sintered electroconductive oxide, and temperature sensor using thermistor element	NGK SPARK PLUG
CN201540500U U	Grain storage temperature and humidity control recording instrument	PENG XINAN
WO200570592 A1	Casting machine	YAMAHA MOTOR
CN108813710 A	Solar cooker-type grain puffing device	CHEN TONGYUN
CN101537529 A	Pin tool for friction stir welding and ultrafine grain preparation method thereof	CHONGQING UNIVERSITY
EP1564197 A1	Sintered compact for thermistor element, process for producing the same, thermistor element and temperature sensor	NGK SPARK PLUG
WO201086915 A1	Sintered metal oxide for thermistor, thermistor element, thermistor temperature sensor and method for producing sintered metal oxide for thermistor	MITSUBISHI MATERIALS
EP1821319 A1	Thermistor element, thermistor element production method and thermistor temperature sensor	NGK SPARK PLUG
EP1889927 A1	Grain oriented electromagnetic steel sheet having excellent film adhesion and process for producing the same	NIPPON STEEL & SUMITOMO METAL
WO200342124 A1	Sintered product for thermistor element and method for production thereof, and temperature sensor	NGK SPARK PLUG
KR20180068343 A	Apparatus for manufacturing snack foods of grain roast	EOM JI YONG
EP-908086 A1	Device for moisture measuring of grain in harvesting machines	CLAAS SELBSTFAHRENDE ERNTEMASCHINEN
JP2008098452 A	Thermistor element, temperature sensor using this, and method of manufacturing thermistor element	NGK SPARK PLUG

Publication numbers	Title	Current assignees
CN108489221 A	Grain dehumidification drying system and drying method thereof	HUNAN AGRICULTURAL UNIVERSITY
US20110293766 A1	Machine for producing expanded- grain cakes	GOKO INTERNATIONAL
JP08015047 A	Production for temperature measuring sensor in which thermocouple and protection tube are integrated	NIPPON STEEL
CN208849116U U	Temperature sensor connection line of the outer plug	HENAN AIBOTE SCIENCE & TECHNOLOGY DEVELOPMENT
CN106854080 A	Method for preparing compact ultrafine- grain boron carbide ceramic material with reduced sintering temperature	CENTRAL SOUTH UNIVERSITY
CN101289160 A	0-100Pa monolithic silicon based SOI high- temperature low drift micropressure sensor and processing method thereof	WUXI NANO MEMS
JP2007246381 A	Sintered electroconductive oxide, thermistor element using sintered electroconductive oxide, and temperature sensor using thermistor element	NGK SPARK PLUG
CN104636979 A	Grain storage automatic distribution method and device based on reciprocating machine	AISINO

Family 1/100 - FAMPAT - ©Questel

Title

(CN108548617)

Temperature-measurement cable protection device for test and control for **grain** situation**Images****Publication data including kind & date**[CN108548617](#)

A

2018-09-18

CN108548617

**Abstract**

(CN108548617)

The invention discloses a **temperature**-measurement cable protection device for test and control for **grain** situation. The device is characterized by comprising a shell, wherein an opening end is formed in the shell and is used for sleeving the end part of an outer sheath of a **temperature**-measurement cable with the shell; a cable storage space for containing the core wire lead end of the **temperature**-measurement cable is formed between the shell and the end part of the outer

sheath; a wire outlet is formed in the shell, is communicated with the wire storage space and can be penetrated by the corewire lead end; and a seal part is arranged at the wire outlet. The **temperature**-measurement cable protection device can be used for effectively preventing dust impurities from entering the gap between a core wire and a core wire sleeve, has a good dust-proof effect, ensures the core wire to enter and exit the core wire sleeve smoothly, so that maintenance and replacement can be performed for a corewire and a **temperature sensor** conveniently, the core wire lead end of a **temperature**-measurement cable is prevented from being broken by the impact of **grain** storage in-out operation, the working reliability of a **grain** situation test and control system can be guaranteed.

Inventors

ZHAO XIAOJUN

WU JUNLI

XU QINGYU

FENG HAO

XIE PENG

WANG JIANLONG

Latest standardized assignees - inventors removedSINOGRain CHENGDU **GRAIN** STORAGE RESEARCH INSTITUTE

Family 2/100 - FAMPAT - ©Questel

Title

(EP1947689)

High **temperature** fine **grain** aluminium heater**Images**

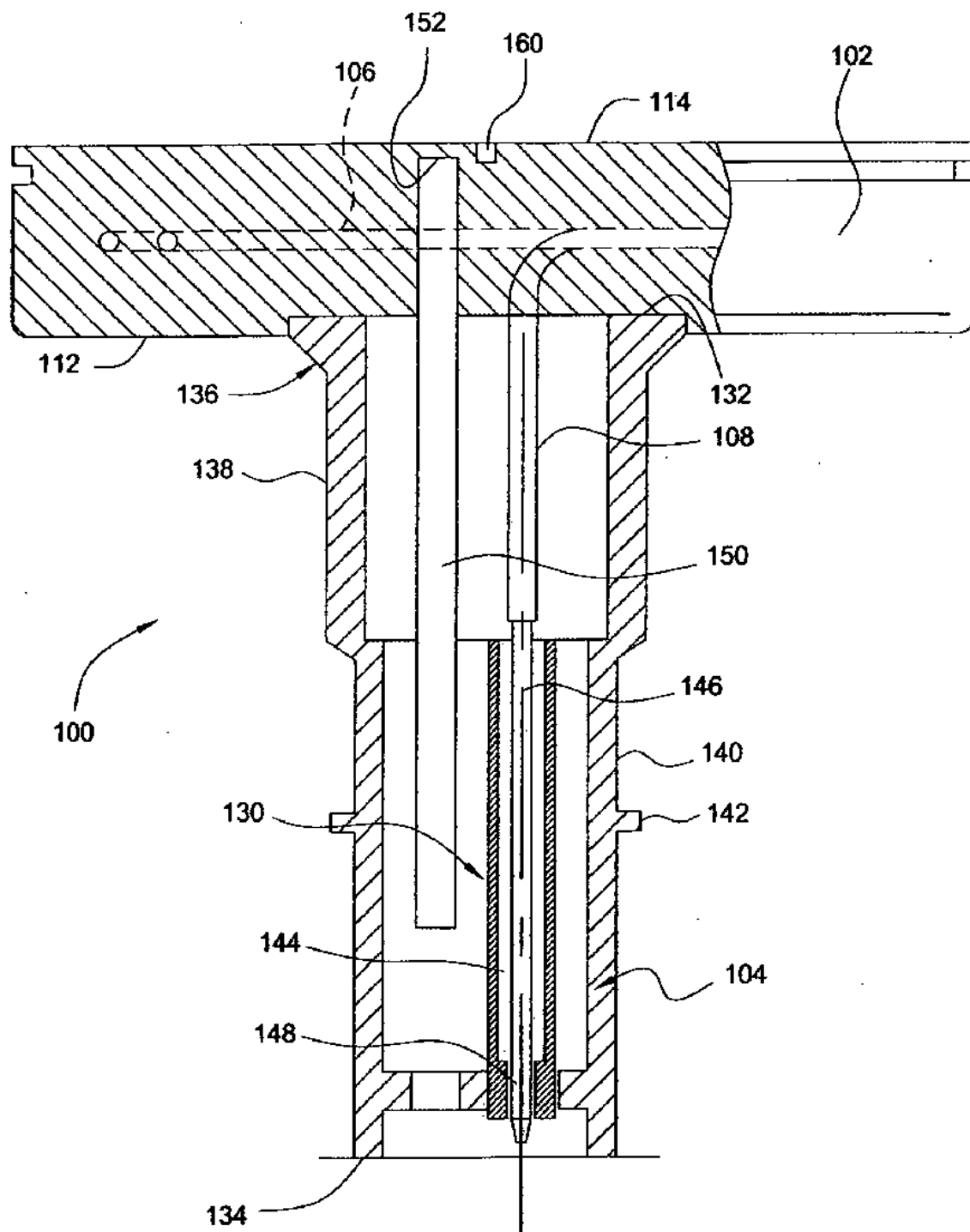


FIG. 1

Publication data including kind & date

EP1947689	A2	2008-07-23	EP1947689
EP1947689	A3	2011-03-30	EP1947689
JP2008177572	A	2008-07-31	JP2008177572
JP5544061	B2	2014-05-16	JP5544061
SG144830	A1	2008-08-28	SG-144830
KR20080068592	A	2008-07-23	KR20080068592
KR101059060	B1	2011-08-24	KR101059060
TW200903593	A	2009-01-16	TW200903593
TWI478214	B	2015-03-21	TWI478214



Abstract

(EP1947689)

An aluminum heated substrate support suitable for use in high **temperature** substrate processing systems and method for fabricating the same are provided. In one embodiment, an aluminum heated substrate support can include an aluminum body, a stem coupled to the body and a heating element disposed in the body. The body has an average **grain** size less than about 250 μm . In some embodiments, the stem to body joint is a fully penetrated lap weld that promotes service life of the substrate support.

Inventors

DESAI ABHI

HIRAHARA ROBERT T

AUGASON CALVIN

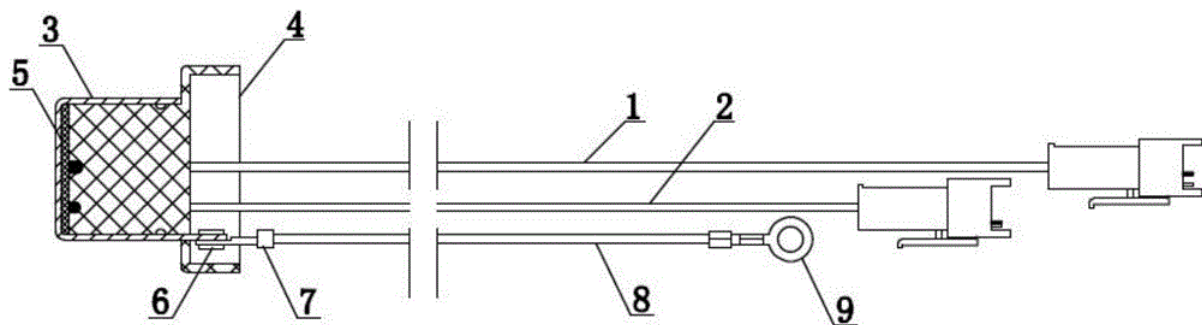
Latest standardized assignees - inventors removed

APPLIED MATERIALS

Family 3/100 - FAMPAT - ©Questel

Title

(CN205748701U)

A **temperature sensor** for IH electricity rice cooker**Images****Publication data including kind & date**[CN205748701](#)

U

2016-11-30

CN205748701U

**Abstract**

(CN205748701)

The utility model provides a IH electricity rice cooker's **temperature sensor**, including thermal fuse ware subassembly, thermistor subassembly, metal casing, unable adjustment base, heat conduction silicone grease piece, rivet, binding post, earth connection, circular terminal, the utility model has the advantages of unable adjustment base arranges metal casing in, through three crimping of **press** -connection machine at unable adjustment base cylinder upper groove, can ensure that the installation is firm between the two, is difficult for droing, and the terminal surface is level and smooth, and the wholeness is good, there are high strength, high **temperature** resistant, corrosion -resistant, insulating properties well to reach advantages such as fire -retardant, the IH electricity rice cooker thermal conductivity that adopts this kind of **temperature sensor** is good, and heat convection nature is excellent, and the firepower is powerful, heaies up rapidly, and the **grain** of rice absorbs water fully, the rice even heating, and the cementability is good.

Inventors

KONG WEITING

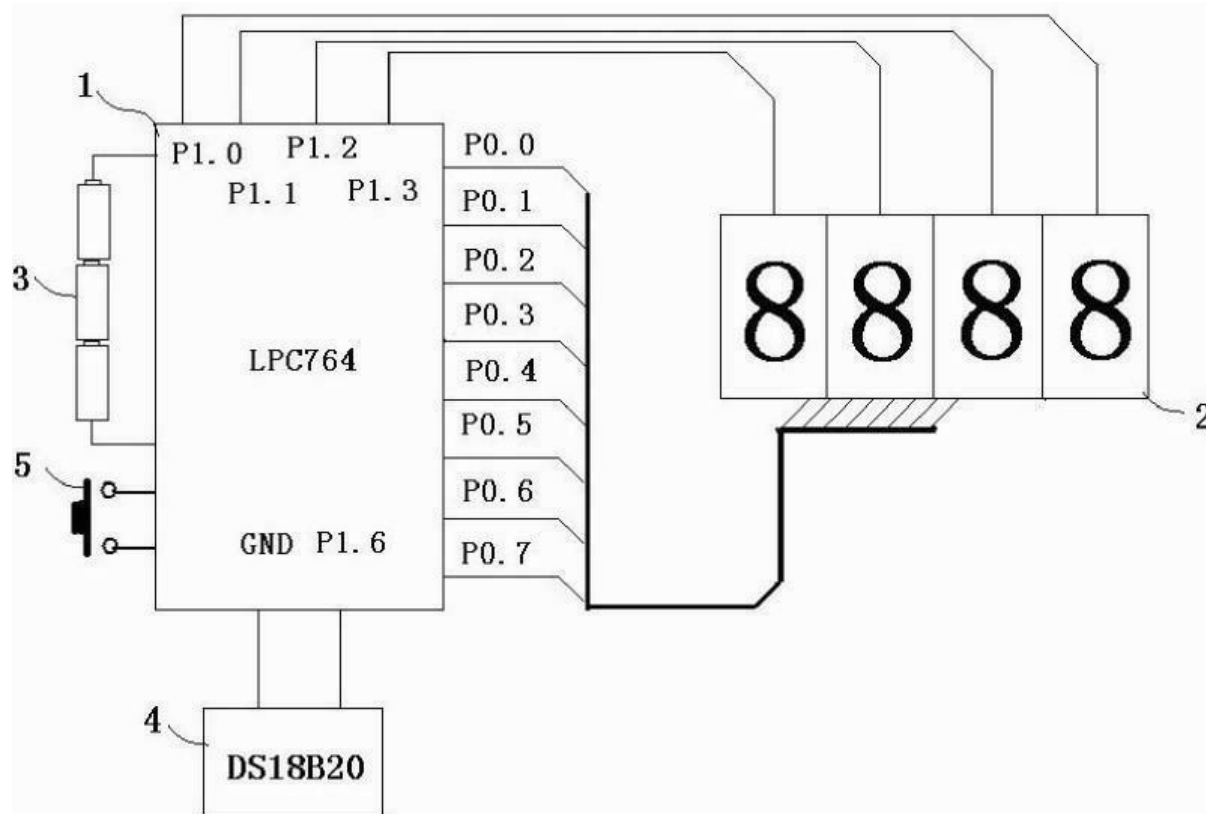
Latest standardized assignees - inventors removedSHENZHEN KEMIN **SENSOR**

Family 4/100 - FAMPAT - ©Questel

Title

(CN201476896U)

Hand-held **temperature** measuring device used for digital **sensor****Images**



Publication data including kind & date

CN201476896

U

2010-05-19

CN201476896U



Abstract

(CN201476896)

The utility model belongs to a **temperature** measuring instrument, in particular to a hand-held **temperature** measuring device used for a digital **sensor**, which at least comprises a measuring circuit, a **temperature sensor** and a displaying device. The utility model is characterized in that the **temperature sensor** is a DS18B20 **sensor**, a DS18B20 serial data line is connected with an I/O interface of a single chip, a display and a **press** button switch are connected on the I/O interface of the single chip, and a positive electrode and a negative electrode of a battery are connected with a power supply circuit of the single chip. The utility model belongs to the hand-held **temperature** measuring device used for the digital **sensor**, which has the advantages of convenient **temperature** measurement, no influence by environment, low power consumption and low cost.

Inventors

CHEN YANHAI

FANG CHUANGMIN

LI SEN

ZHANG XUECANG

Latest standardized assignees - inventors removed

SHAANXI PROVINCE **GRAIN** & OIL SCIENCE RESEARCH DESIGN INSTITUTE

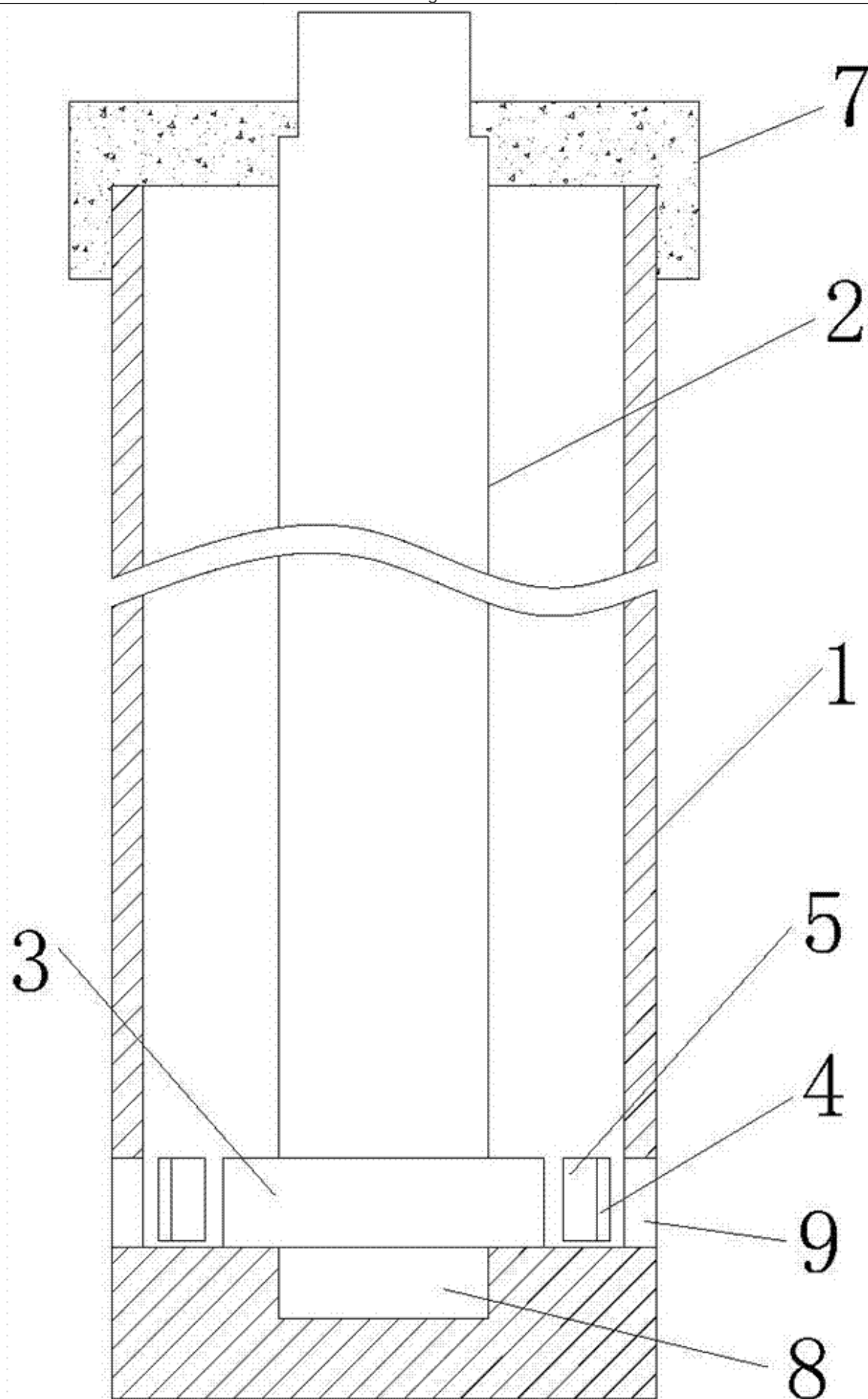
Family 5/100 - FAMPAT - ©Questel

Title

(CN206862399U)

Shaft -like **grain** humiture detection instrument ware

Images



(CN206862399)

The utility model relates to a check out test set field, concretely relates to shaft-like **grain** humiture detection instrument ware, the stock that seals including cavity form, upper end opening, bottom surface, the stock interpolation has the bull stick, it is the oval-shaped **press** section that the bull stick bottom is equipped with transverse section, stock bottom lateral wall leaves has one ortwo openings that supply **temperature** and humidity **sensor** to stretch out, and **temperature** and humidity **sensor** passes through the stripper plate and installs in the stock inner wall, the stripper plate passes through spring coupling to stock inner wall, the stock is stretched out on bull stick upper portion and the bull stick is spacing with overlapping the axle sleeve of establishing on the stock. The utility model discloses thereby rotating the bull stick and making two heads extrusion stripper plates of oval **press** section drive **temperature** and humidity **sensor** to stretch out and detect, do not examine time measuring and rotate the bull stick and make the head of **press** section to keep away from the extrusion version, spring rebound drives in warm speedtransmitter takes in the stock like this, like this with in placing the stock in the **temperature** and humidity **sensor** in.

Inventors

CAO JING

WANG FENG

ZHANG JUN

LÜ CUNJUN

HAN XIAOTAO

WANG ZHIQING

ZHANG WEI

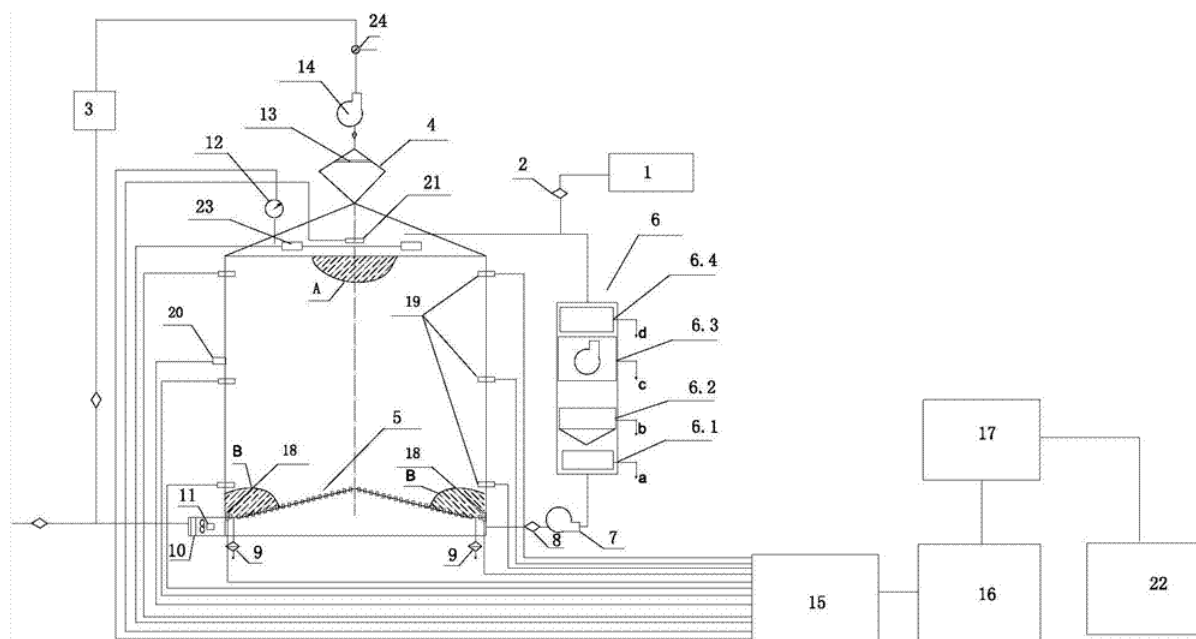
ZHU HUA

Latest standardized assignees - inventors removedANHUI JULI **GRAIN** MACHINE TECHNOLOGY

Family 6/100 - FAMPAT - ©Questel

Title

(CN106034579)

Automatic control device and automatic control method for **grain** silo**Images****Publication data including kind & date**

CN106034579	A	2016-10-26	CN106034579
CN106034579	B	2018-07-31	CN106034579B

**Abstract**

(CN106034579)

The invention relates to an automatic control device for a **grain** silo. A cone bottom is a convex cone bottom. The automatic control device comprises a nitrogen adjusting module, a circulating fumigation/air ventilation integrated module, a control module and a detection module, wherein the nitrogen adjusting module, the circulating fumigation/air ventilation integrated module and the detection module are separately connected with the control module; the detection module comprises detection sensors for detecting **temperature**, humidity and gas content; and the detection sensors are separately connected with a logic comparator (15) through electrical signals, the logic comparator (15) is connected with an assessment model (16) which is connected with a computer (17), the computer (17) is connected with an executor (22), and the logic comparator (16) performs execution motion according to detection values of the detection sensors and the assessment model. The automatic control device for the **grain** silo performs comprehensive judgment according to the detection data of environment climate conditions, **grain** situation detecting results, the **temperature**, the humidity, oxygen concentration and the like, and selects to perform execution in one of three using modes, so that the automatic control of the **grain** silo is achieved.

Inventors

WANG XUEDONG

HONG KAIGE

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LIANG JIE

LI BO

Latest standardized assignees - inventors removed

BEIJING LIANG AN TECHNOLOGY

CHINA RESERVE **GRAIN** MANAGEMENT

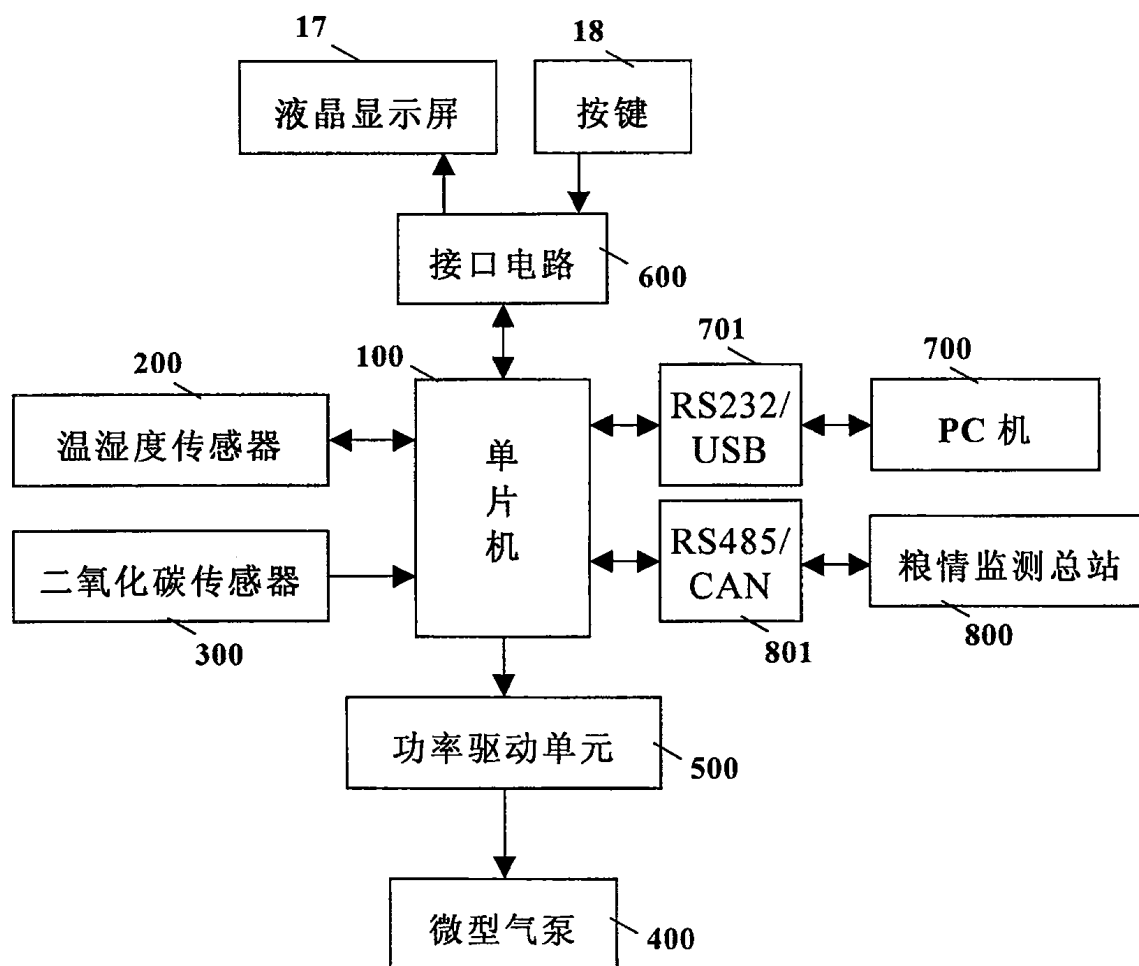
Family 7/100 - FAMPAT - ©Questel

Title

(CN100565124C)

Portable **grain** information detection device

Images



Publication data including kind & date

CN101261143	A	2008-09-10	CN101261143
CN100565124	C	2009-12-02	CN100565124C



Abstract

(CN101261143)

The invention discloses a portable **grain** situation detection device, comprising a shell which is provided with a gas collecting inlet and a gas collecting outlet; the shell is internally provided with a detection circuit which comprises a single chip microprocessor, a **temperature** and humidity **sensor**, a carbon dioxide **sensor** and a micro-typed pneumatic pump; the **temperature** and humidity **sensor** and the carbon dioxide **sensor** are connected with the single chip microprocessor which is connected with the micro-typed pneumatic pump by a power driving unit. The portable **grain** situation detection device can be held by hand for use, is convenient for carrying, has fast detection speed, simple operation and exact result, and can meet the requirement of **grain** situation detection in national **grain** depots. The portable **grain** situation detection device of the invention is suitable for the early detection of **grain** storage fungi and pest damages, and ventilation effect evaluation in a **grain** depot, and ensures the safety of the management personnel of **grain** depots.

Inventors

CHENG SHUFENG
TANG FANG
WU SONGLING
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Latest standardized assignees - inventors removed

ACADEMY OF STATE ADMINISTRATION OF **GRAIN**

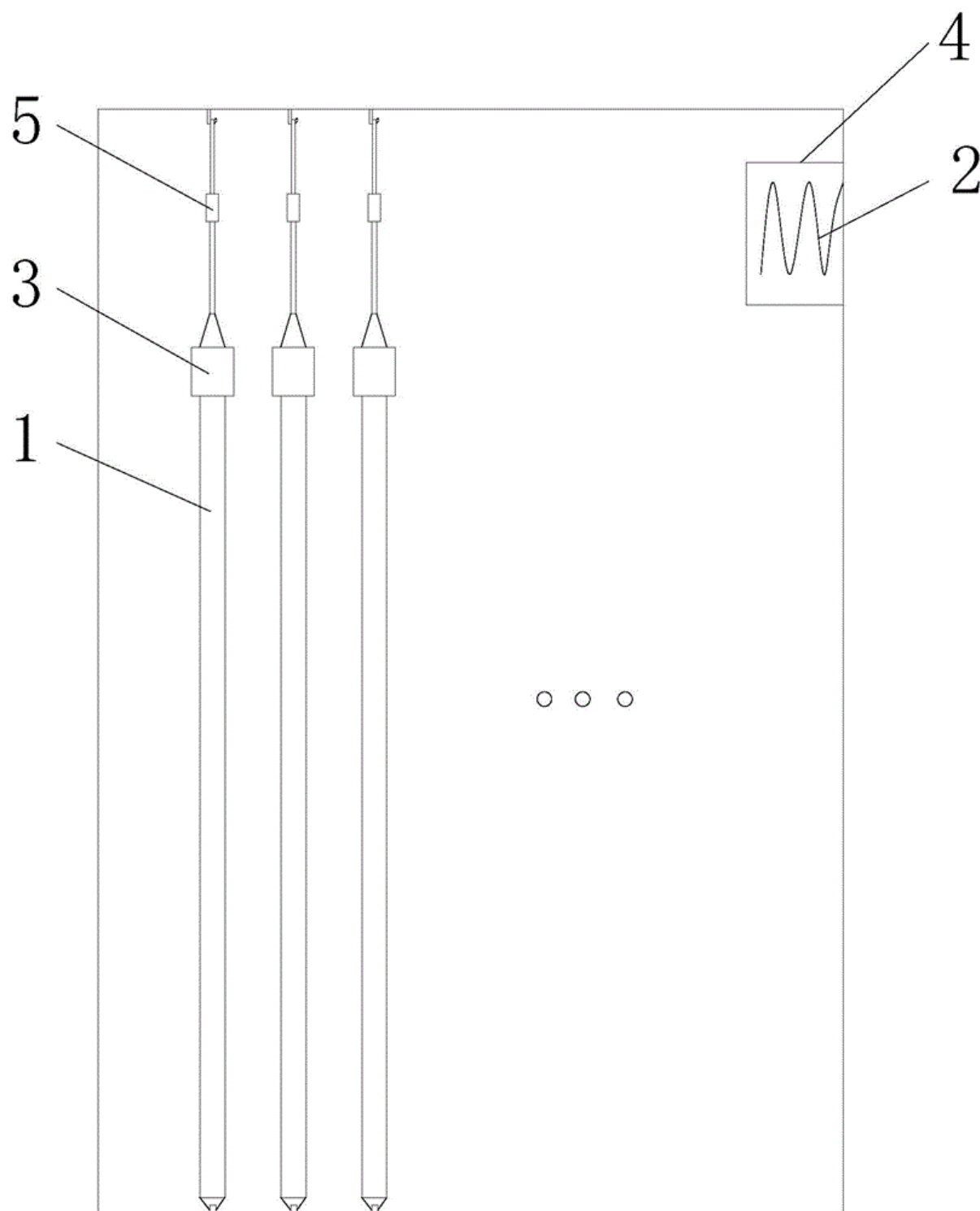
Family 8/100 - FAMPAT - ©Questel

Title

(CN208608657U)

Wiring structure in squat silo or vertical silo's **grain** condition monitoring and control system storehouse

Images



Publication data including kind & date

CN208608657

U

2019-03-15

CN208608657U



Abstract

(CN208608657)

The utility model discloses a wiring structure in squat silo or vertical silo's **grain** condition monitoring and control system storehouse, including the **temperature** measurement cable and the bus cable that puts in storage, top and bottom at the granary are connected to the **temperature** measurement cable both ends, **temperature** measurement cable interval in the granary is provided with a plurality of roots, the dustproof protection device of sealed usefulness has been set up at the tip of the oversheath on **temperature** measurement cable upper portion, the rolling of the bus of putting in storage cable is in setting up the line chamber in the granary, it is inboard that the line chamber sets up wall square on heap **grain** line, after **grain** puts in storage the completion, the bus of putting in storage cable takes out and lays on the **grain** face from the line

chamber, **temperature** measurement cable's heart yarn is worn out dustproof protection device and is connected with the bus cable that puts in storage. The utility model discloses effectively avoid dust impurity to enter into the gap the inside between the core wire sleeve of heart yarn and oversheath, ensure that the heart yarn can smooth and easy business turn over core wire sleeve, guarantee convenient to maintain the change to **temperature sensor**, effectively protect the heart yarn, the bus of putting in storage cable.

Inventors

WU JUNLI

ZHAO XIAOJUN

FENG HAO

XIE PENG

ZOU YIAO

ZOU BIWEN

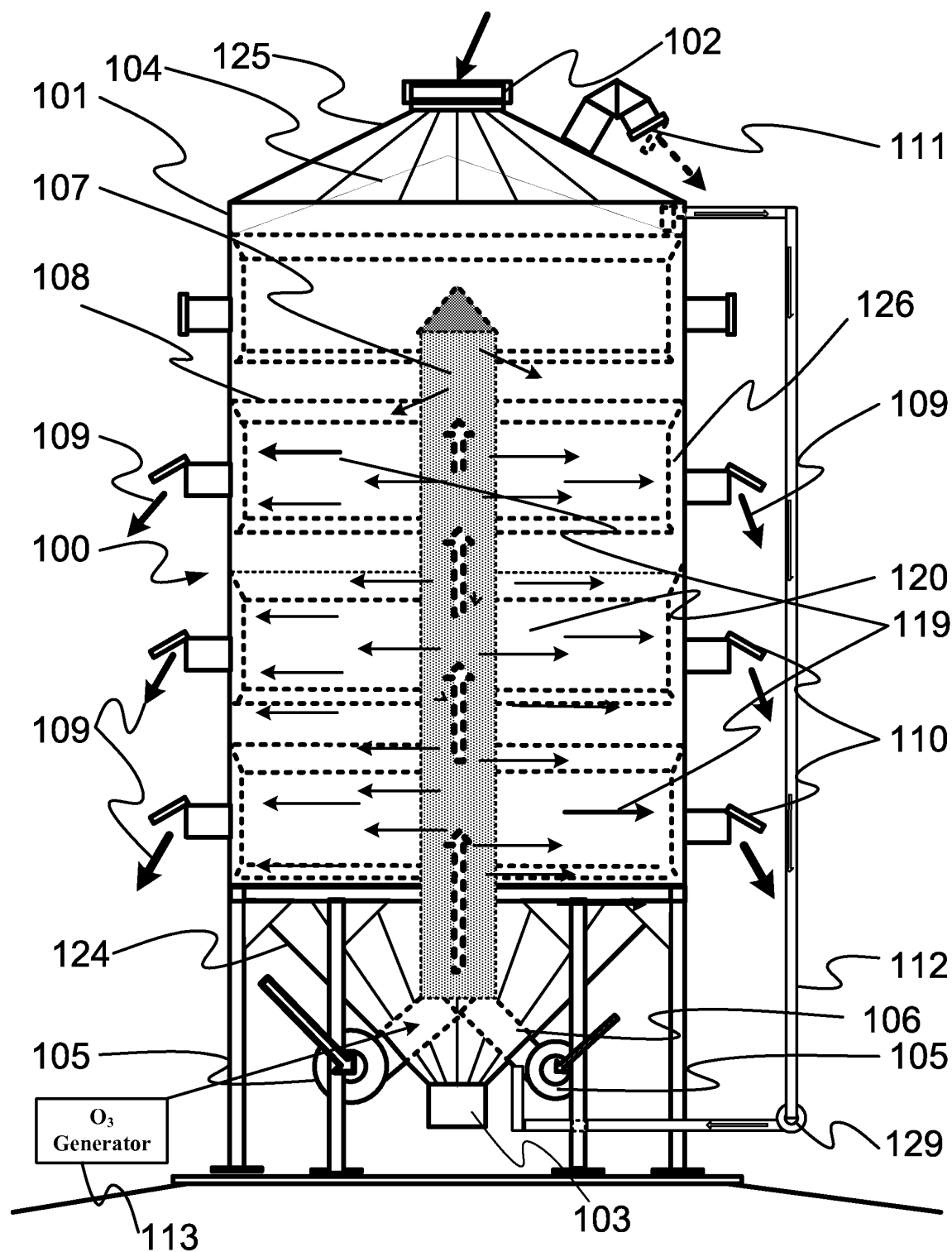
Latest standardized assignees - inventors removedSINOGRAN CHENGDU **GRAIN** STORAGE RESEARCH INSTITUTE

Family 9/100 - FAMPAT - ©Questel

Title

(US7818894)

Method and apparatus for low-energy in-bin cross-flow **grain** and seed air drying and storage**Images**



Publication data including kind & date

US20090094853	A1	2009-04-16	US20090094853
US7818894	B2	2010-10-26	US7818894



Abstract

(US20090094853)

This process embodies forcing air through **grain** and granular biological products using a high volume horizontal airflow from a central vertical pervious tube to one or more plenum chambers near the structure sidewall to dry or cool products. Cross-flow air movement can be supplied by either suction or pressure. This conditioning and drying method has advantages over conventional storage structures, especially where product depth is much greater than diameter. In this process, horizontal air typically moves only $\frac{1}{13}$ to $\frac{1}{16}$ of vertical distances. Horizontal airflow resistance through

elongated seeds is 50-60 percent of vertical airflow. Power for horizontal airflow is typically 8-15% that of vertical airflow. **Grain** and seed drying costs will be 15-30% of high **temperature** drying. To enhance germination, storage and **grain** and seed quality, and to kill or exclude insect pests, ozone is applied to drying or aeration airstreams for treating stored products and storages.

Inventors

NOYES RONALD T

DANCHENKO VITALY G

Latest standardized assignees - inventors removed

GRAIN STORAGE ENGINEERING

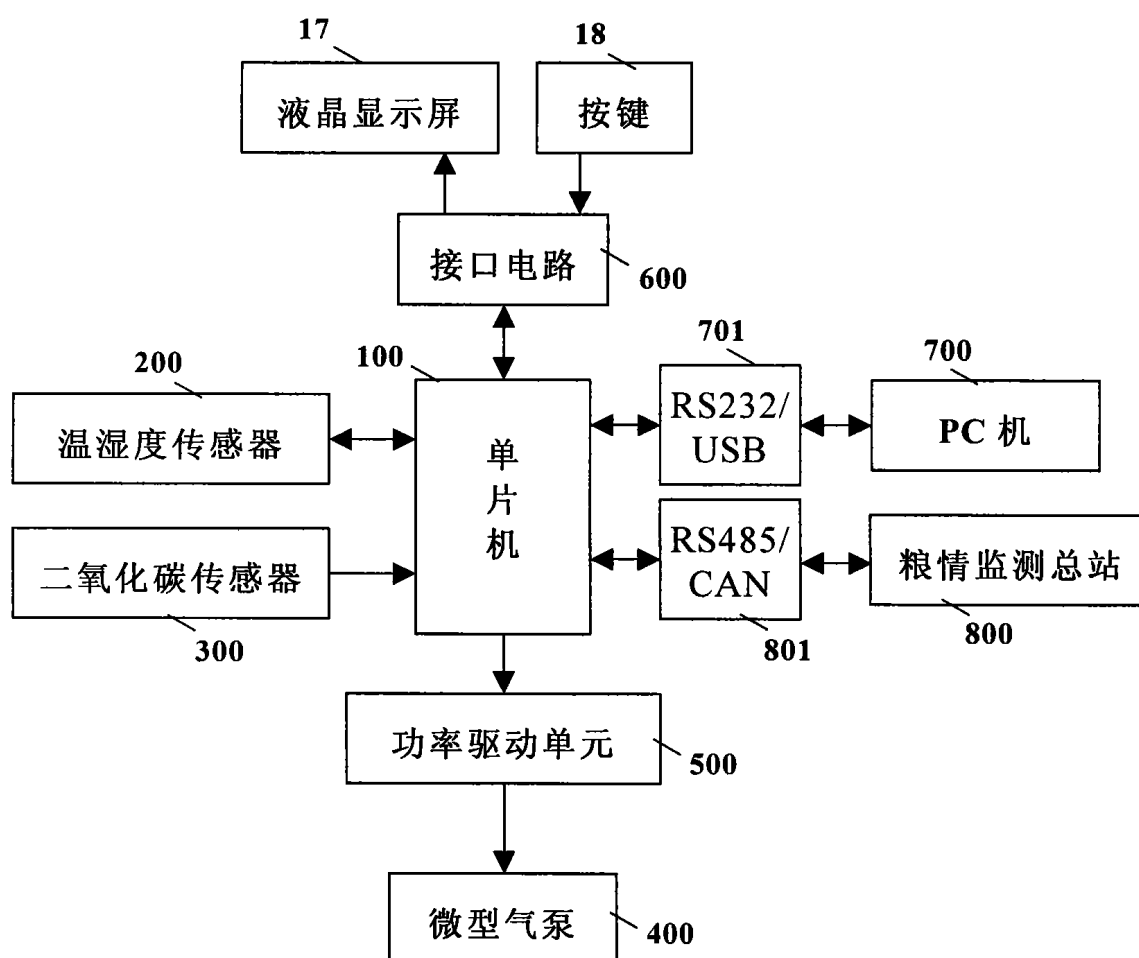
Family 10/100 - FAMPAT - ©Questel

Title

(CN201193949U)

Grain situation detecting instrument

Images



Publication data including kind & date

CN201193949

Y

2009-02-11

CN201193949U



Abstract

(CN201193949)

The utility model discloses a **grain** situation detector which comprises a casing. A gas collecting inlet and a gas collecting outlet are arranged on the casing in which a detection circuit is arranged. The detection circuit comprises a single chip computer, a **temperature** and humidity **sensor**, a carbon dioxide **sensor** and a micro air pump. The **temperature** and humidity **sensor** and the carbon dioxide **sensor** are both connected with the single chip computer which is connected with the micro air pump through a power drive unit. The detector can be held by hand to use, is convenient in carrying, has fast detection, simple operation and accurate result, and can meet the requirements of **grain** situation detection in Chinese

grain depots. The detector is suitable for early detecting stored **grain** eumycete and insects and estimating the ventilation effect to guarantee the safety of the barn managing staffs.

Inventors

CHENG SHUFENG

TANG FANG

WU SONGLING

ZUO XIAORONG

Latest standardized assignees - inventors removed

ACADEMY OF STATE ADMINISTRATION OF **GRAIN**

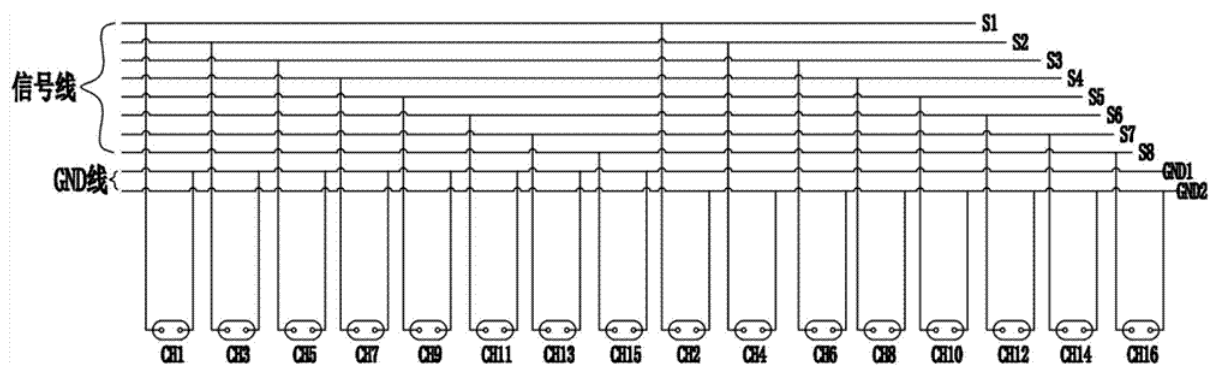
Family 11/100 - FAMPAT - ©Questel

Title

(CN208206192U)

Grain condition monitoring wiring system

Images



Publication data including kind & date

[CN208206192](#) U 2018-12-07 CN208206192U



Abstract

(CN208206192)

The utility model discloses a **grain** condition monitoring wiring system, a serial communication port, including the warehouse entry bus, the warehouse entry bus include a plurality of signal lines and a plurality of GND line, every signal line divides expenditure and the same branch line of GND line number volume, every spinal branch line to constitute independent passageway with a GND line cooperation respectively, sets up a plurality of groups **sensor** in the granary and divides into groups, every group **sensor** divides into groups respectively and a path connection, the passageway that transfer the difference through switching signal line and the multiplexing mode of GND line adoption timesharing grouping reads the **sensor** grouping of every group. **Grain** condition monitoring wiring system realize the warehouse entry bus and **temperature** measurement cable's standardization of all horizontal warehouse types, the cable of different passageways can exchange wantonly, on -the -spot installation does not need to number the **sensor** with safeguarding, greatly makes things convenient for the standardized production and the installation maintenance of cable, has reduced installation, the maintenance cost of system, system's interference killing feature is strong, simple structure, the commonality is good.

Inventors

FENG HAO

ZHAO XIAOJUN

XIE PENG

ZOU BIWEN

DING JIANWU

ZOU YIAO

WU JUNLI

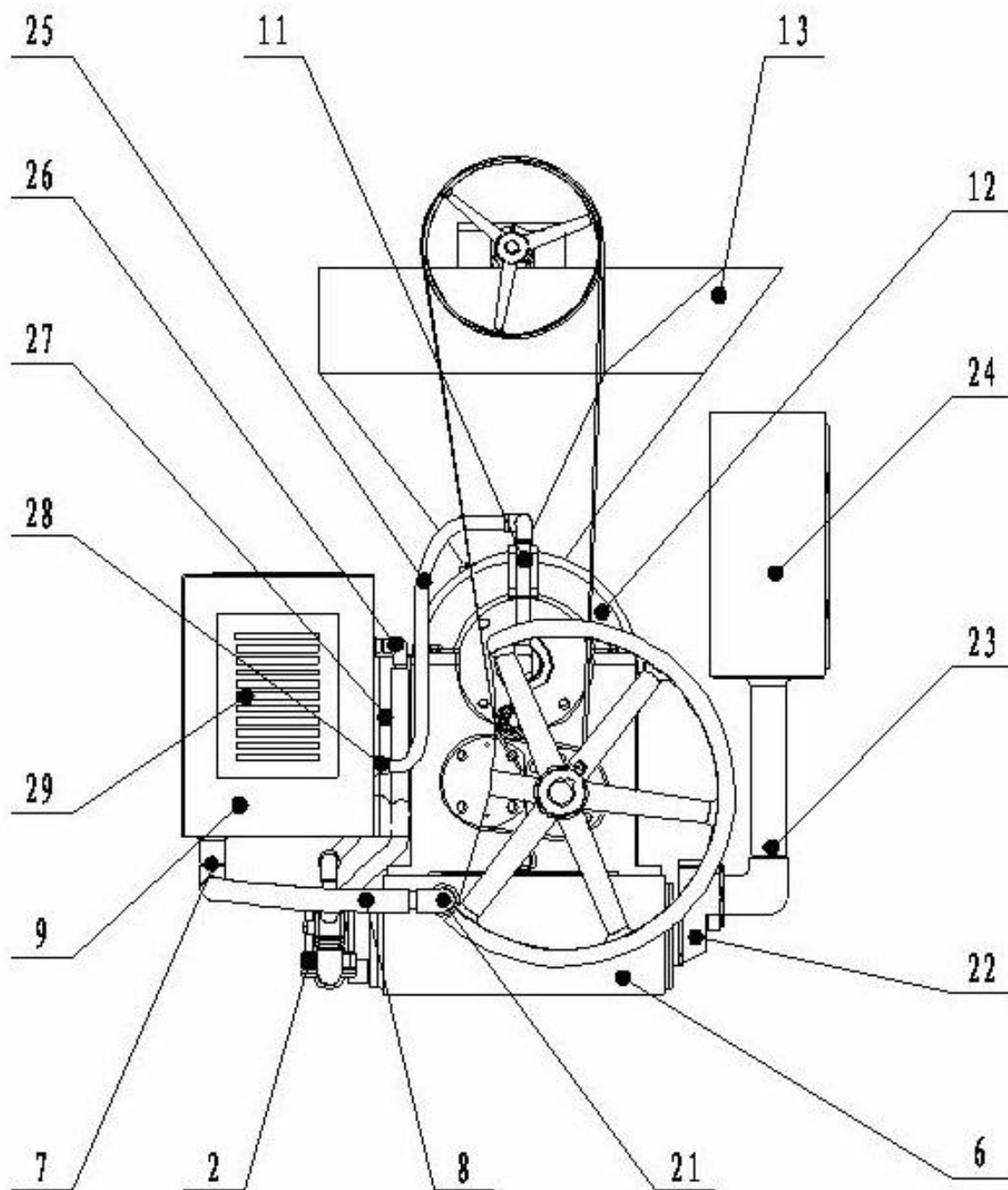
JIANG XUEMEI

Latest standardized assignees - inventors removed

Family 12/100 - FAMPAT - ©Questel

Title

(CN201970474U)

Spiral oil **press** having circulating water cooling system**Images****Publication data including kind & date**

CN201970474

U

2011-09-14

CN201970474U

**Abstract**

(CN201970474)

The utility model provides a spiral oil **press** having a circulating water cooling system. The spiral oil **press** mainly consists of a base, an electric control device, a **press** cage subassembly, a feeding mechanism, a speed reducing mechanism, an adjusting mechanism and a spiral main shaft; the spiral oil **press** is characterized in that on the basis of the original spiral oil **press**, the base is refitted into a water storage tank; the solid spiral main shaft is changed into a hollow spiral main shaft;

the two ends of the main shaft are additionally provided with rotating joints, pipe connection fittings and pipelines; the pipelines are communicated with a cooling tank, a hot water circulating pump and the base which are additionally arranged on the spiral oil **press**; the oil **press** barrel **temperature** can be measured at any time through a **temperature sensor** that is additionally installed in the **press** cage subassembly; and the electric control device controls the circulating water cooling system according to the measured **temperature**. The spiral oil **press** can avoid the adverse factors such as coking caused by the fact that the oil **press** barrel **temperature** is too high, and a blank is evaporated through the high **temperature** when the oil **press** continuously presses, and the oil **press** barrel **temperature** can be kept at the constant work **temperature**, so as to obtain the best oil producing effect.

Inventors

HE SHANYONG

YU YAN

Latest standardized assignees - inventors removed

MIANYANG GUANGXIN MACHINERY OF **GRAIN** & OIL PROCESSING

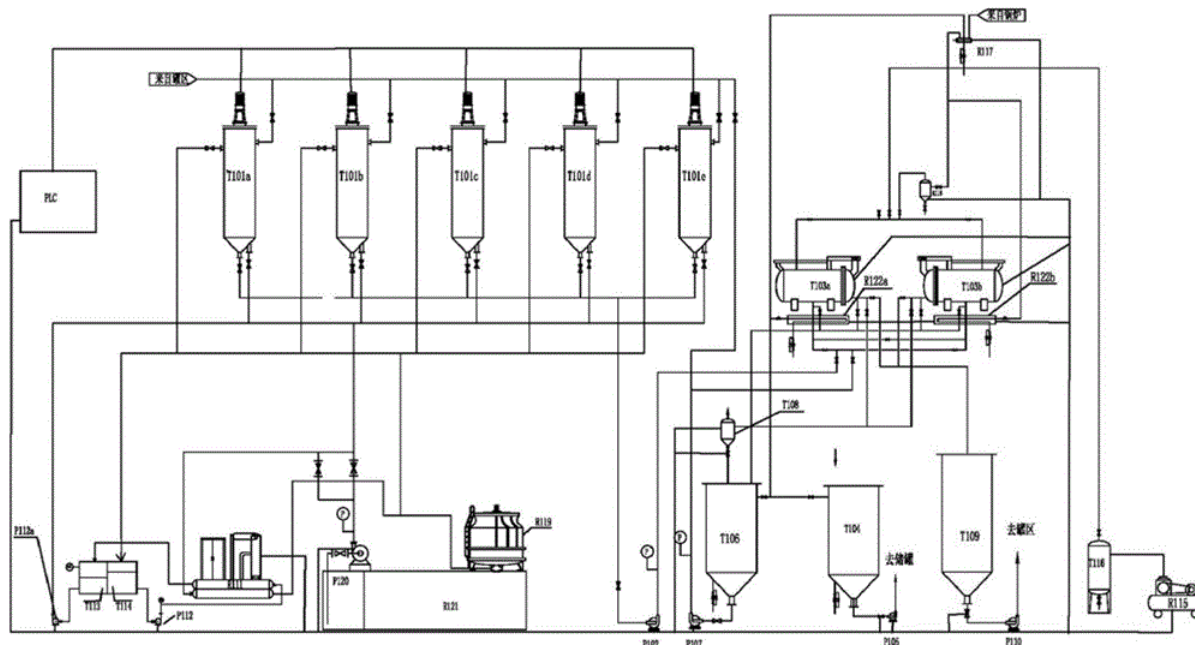
Family 13/100 - FAMPAT - ©Questel

Title

(CN106590925)

Degreasing device of sunflower seed oil and process thereof

Images



Publication data including kind & date

CN106590925

A

2017-04-26

CN106590925



Abstract

(CN106590925)

The invention relates to a degreasing device of sunflower seed oil and a process thereof. The degreasing device comprises a maturing tank, a degreasing filter, a grease paste tank, a cyclone hydraulic separator, a grease **temperature measurement sensor**, a cooling water **temperature sensor**, a steam-water separator, a solid grease melting tank, a refrigerating unit, a **press**, an air distributing pack and a PLC control cabinet. The degreasing device is simple in structure, the whole process is free of waste water and solvent pollution, equipment does not need to be detached during filtering, the work environment is improved, and PLC full-automatic control lowers labor cost and relieves labor intensity. After physical squeezing is adopted, the faint scent and nutrition of sunflower seeds are kept, the sunflower seed oil is rich in vitamin E and phytosterol, and contains 80% or above of unsaturated fatty acid, the content of linoleic acid is as high as 50% or above, the taste of the sunflower seed oil is greatly improved, and the sunflower seed oil is suitable for a wider range of people.

Inventors

WANG LONGTI

QIU XIUSHUANG

WANG ZIYI

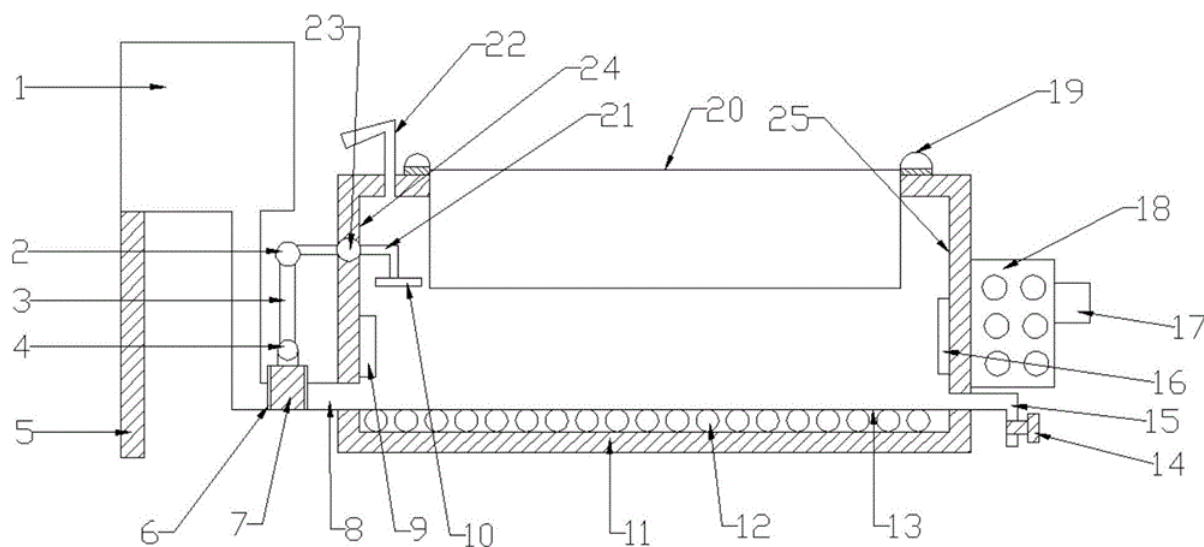
Latest standardized assignees - inventors removedHUBEI YUANDA **GRAIN** & OIL TECHNOLOGY

Family 14/100 - FAMPAT - ©Questel

Title

(CN208627342U)

Thermostat water bath

Images**Publication data including kind & date**[CN208627342](#)

U

2019-03-22

CN208627342U

**Abstract**

(CN208627342)

The utility model discloses a thermostat water bath, including the water bath, the bottom of the first face of water bath is provided with the water inlet, and the top of water inlet is provided with a **temperature sensor**, and the left end is provided with the control valve spout, installs the control valve in the control valve spout, and the control valve upper end is connected with the pull rod, and the upper end of pull rod is connected with the rocker, and the rocker is connected at first face insidely, and the right -hand member is connected with cursoryly, the control valve spout is connected with high flush tank, water bath bottom is provided with the water -stop sheet, installs the heater under the water -stop sheet, and the heater is connected with the electric cabinet, and the electric cabinet connection is at dihedral surface, and dihedral bottom is provided with the delivery port, and the top of delivery port is provided with the 2nd **temperature sensor**, and the right -hand member is provided with control switch, a **temperature sensor**, the 2nd **temperature sensor** are connected with the controller of electric cabinet, the water -bath is installed to the upper end of water bath. Can be used for the edible oil squeeze raw and other materials the drying, can solve at any time makeup water, the invariable thermostat water bath of controlled **temperature**.

Inventors

MO ZHONGBI

Latest standardized assignees - inventors removedGUIZHOU SIFANG **GRAIN** & OIL

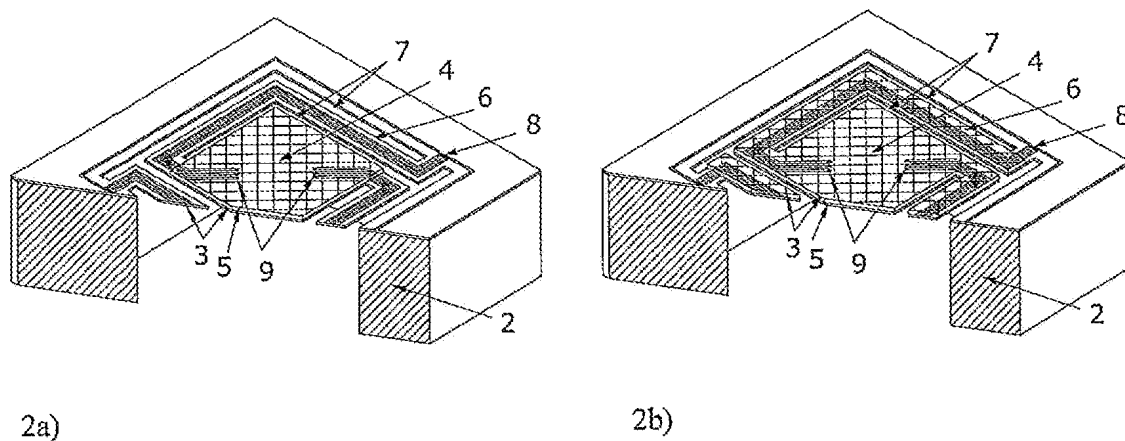
Family 15/100 - FAMPAT - ©Questel

Title

(EP2348294)

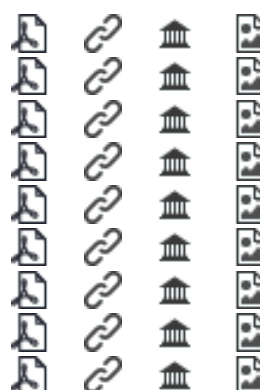
Thermopile infrared **sensor** in monolithic silicium microstructure

Images



Publication data including kind & date

EP2348294	A1	2011-07-27	EP2348294
US20110174978	A1	2011-07-21	US20110174978
US8592765	B2	2013-11-26	US8592765
DE102010042108	A1	2011-07-21	DE102010042108
DE102010042108	B4	2013-10-17	DE102010042108
JP2011145296	A	2011-07-28	JP2011145296
KR20110084846	A	2011-07-26	KR20110084846
KR20150084722	A	2015-07-22	KR20150084722
KR101869066	B1	2018-06-20	KR101869066



Abstract

(EP2348294)

The **sensor** has a thermopile-**sensor** structure comprising thermal elements e.g. thermopile or bolometer, that are arranged on connection rods (6), where the rods connect hot contacts (9) on an absorber layer (5) with cold contacts (8) of the thermal elements. A membrane (3) is suspended over the connection rods, and has slots on both sides of the thermal elements. The slots separate the connection rods from a central area (4) and a heat-conducting frame-shaped supporting body (2), where the central area is covered by the absorber layer. The **sensor** structure is made from poly-silicon.

Inventors

FORG BODO
HERRMANN FRANK
LENEKE WILHELM
SCHIEFERDECKER JOERG
SIMON MARION
STORCK KARLHEINZ
SCHULZE MISCHA

Latest standardized assignees - inventors removed

HEIMANN **SENSOR**

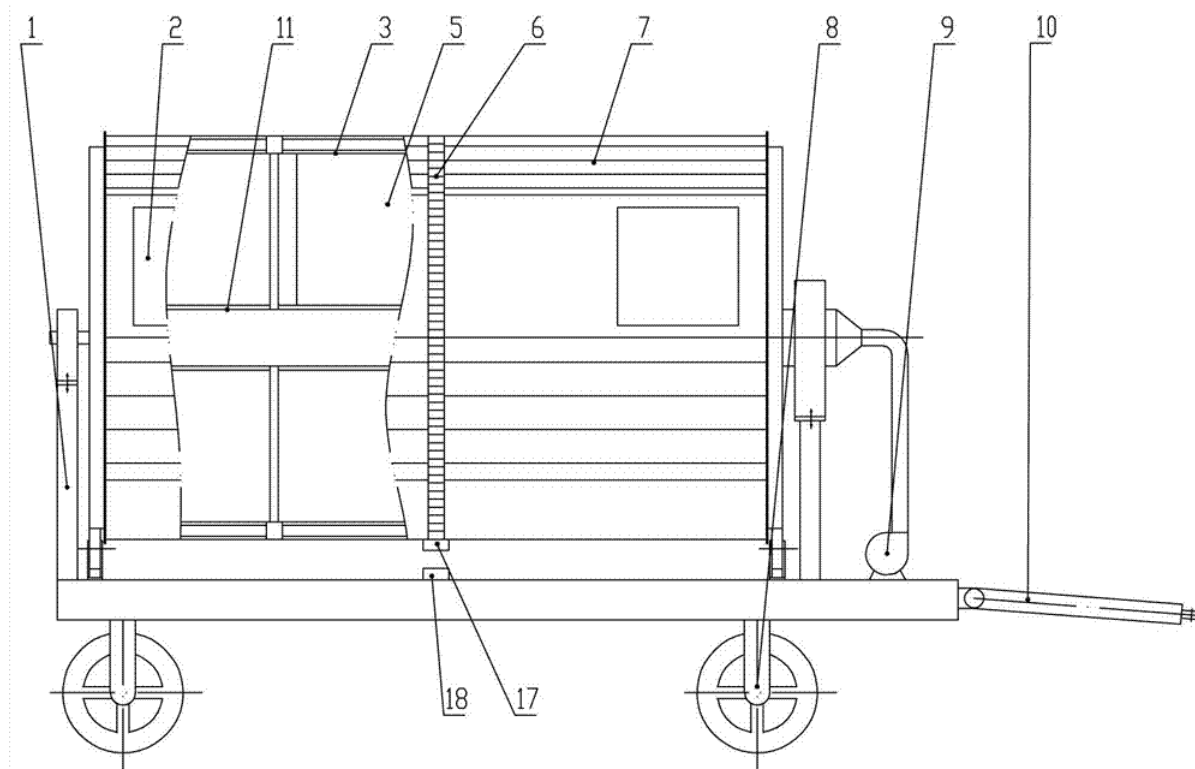
Family 16/100 - FAMPAT - ©Questel

Title

(CN109121752)

Intelligent rotary ventilation **grain** storage drying bin and drying method thereof

Images



Publication data including kind & date

CN109121752

A

2019-01-04

CN109121752



Abstract

(CN109121752)

The invention relates to an intelligent rotary ventilation **grain** storage drying bin. The structure of the intelligent rotary ventilation **grain** storage drying bin is as the follows that a bin body framework of a bin barrel is in an eight-prism shape; one of side surfaces is provided with a material inlet and outlet opening; other side surfaces are respectively provided with punching pore plates; arigid louver is arranged on the outer surface of the bin body framework; the rigid louver is arranged on the side surfaces at two sides of the material inlet and outlet opening; side surfaces which are close to the rigid louver at two sides are respectively provided with waterproof baffles; a lower stop point is arranged on the outer surface of the bin barrel; a non-contact **sensor** is arranged on abin frame; the position of the non-contact **sensor** corresponds to the position of the lower stop point; a braking device is arranged on a transmission mechanism; and the transmission mechanism, the braking device and the non-contact **sensor** are respectively connected with a control mechanism through data lines. According to the drying bin, harvested high-moisture grains can be directly stored without manual airing or mechanical drying, the grains cannot be damaged by rats and birds and cannot be eaten by poultry in a storage process, and heating and mildewing do not occur, so that green storageof the grains is achieved, and safety and quality are guaranteed.

Inventors

GAO SHUCHENG

ZHAO XUEGONG

ZHAO LIANBIN

LI JIFEN

LIN LIN

ZHAO XU

ZHENG GANG

ZHOU GANGXIA

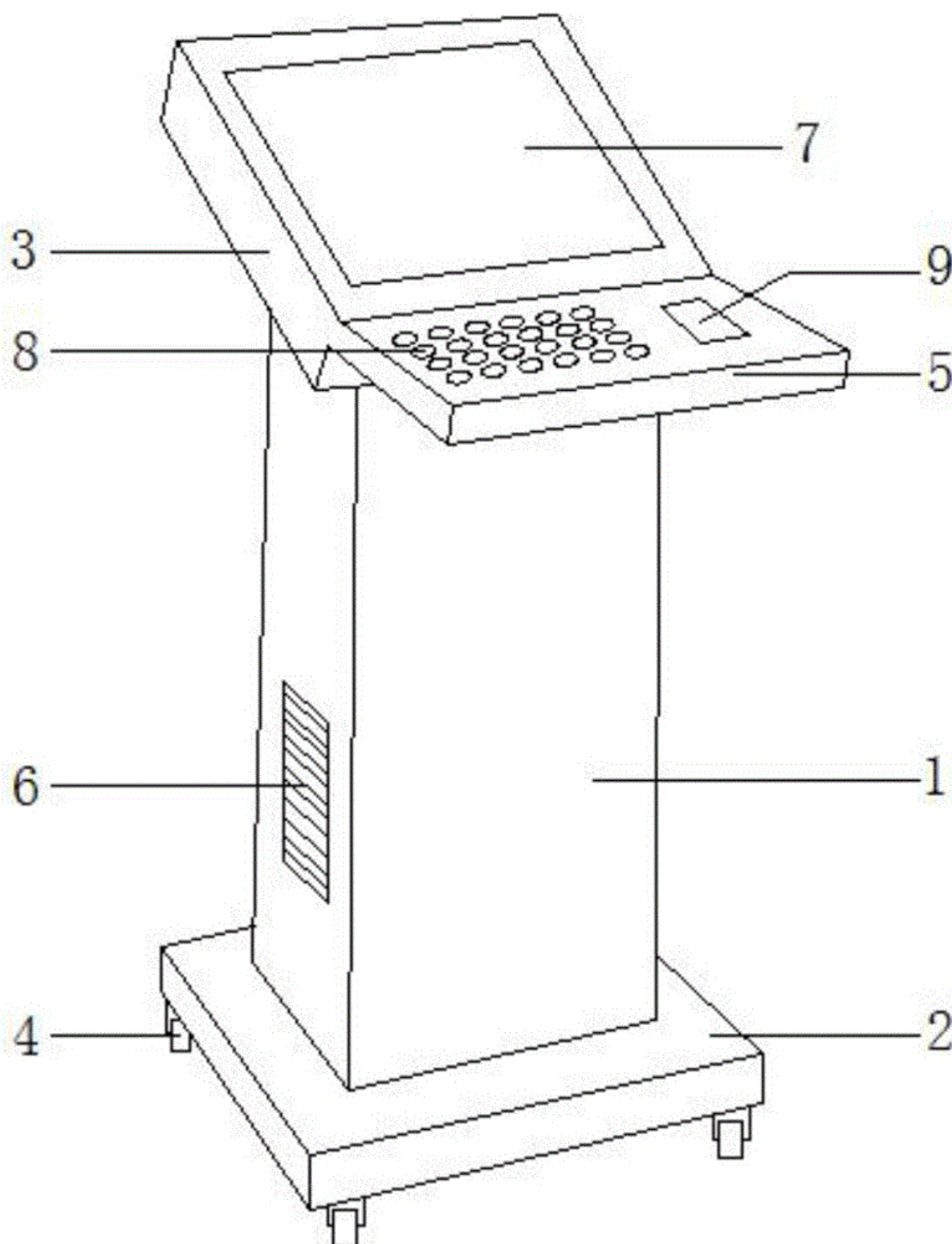
TANG XINXIN

Latest standardized assignees - inventors removed

LIAONING RESEARCH INSTITUTE OF **GRAIN** SCIENCE

Title

(CN205844807U)

Hydraulic oil **press** automatic control device**Images****Publication data including kind & date**[CN205844807](#) U 2016-12-28 CN205844807U**Abstract**

(CN205844807)

The utility model belongs to the technical field of system oil machinery and a hydraulic oil **press** automatic control device is disclosed, including circuit box and main control system, the machine is made to the inside dry ice that is equipped with of circuit box, dry ice apotheca top is equipped with the gas outlet, circuit box inner wall top is equipped with distribution controller. The utility model discloses a set up distribution controller, can connect the arresting gear and the sensing device

that set up on hydraulic oil **press** respectively, can carry out automatic control to hydraulic oil **press** through microcontroller, through set up **temperature sensor** inside circuit box, and it makes the machine to have set up dry ice, the **temperature** reaches the value of setting in circuit box, then cool down through release dry ice, through set up humidity transducer in circuit box, cooperation air dehydrating unit guarantees that circuit box is interior dry, through setting up magnetic inductor, cooperation information storage device predetermines, can carry out the attendance to the operator, cooperation wireless signal transmission unit, the accessible attendance terminal equipment make statistics of, high durability and convenient use.

Inventors

MA SHAOBIN

MA SHAOJUN

WANG GUIYING

MA LEI

MA XIN

Latest standardized assignees - inventors removed

WUZHONG XINGDA **GRAIN** & OIL

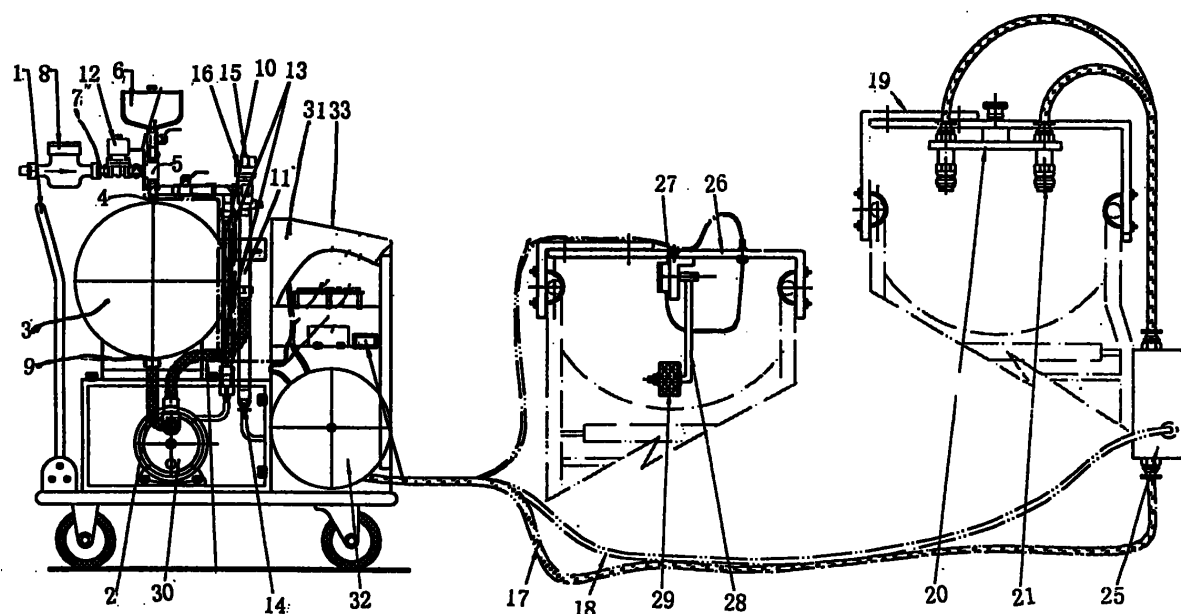
Family 18/100 - FAMPAT - ©Questel

Title

(CN2832282U)

Quality adjusting machine for administering liquor to **grain**

Images



Publication data including kind & date

CN2832282

Y 2006-11-01 CN2832282U



Abstract

(CN2832282)

The utility model provides a quality adjusting machine for administering liquor to **grain**, which comprises a trolley, a bracket arranged on the trolley, a pressure container which is arranged on the bracket, is provided with a liquor inlet and a liquor outlet and is matched with an air pressure source, and a spray head with an air inlet and a liquor inlet. A pressure air conveying flexible pipe communicated with the air pressure source is communicated with the air inlet on the spray head, and a liquor pressure conveying flexible pipe communicated with the liquor outlet of the pressure container is communicated with a liquor inlet on the spray head. The utility model can carry out scientific quality adjusting treatment for low-water content **grain** before the **grain** is delivered from depots, and the quality adjusting machine for administering liquor to **grain** not only can reduce quantity loss caused by the reduction of the water content of the **grain** during storage, but also

can improve the processing technological quality of the **grain** on a certain degree.

Inventors

FU PENGCHENG

XIANG FEI

WANG SHUANGLIN

ZHAO XIAOJUN

DING CHAOMING

Latest standardized assignees - inventors removed

CHENGDU **GRAIN** STORAGE RESEARCH INSTITUTE STATE ADMINISTRATION OF **GRAIN** RESERVE

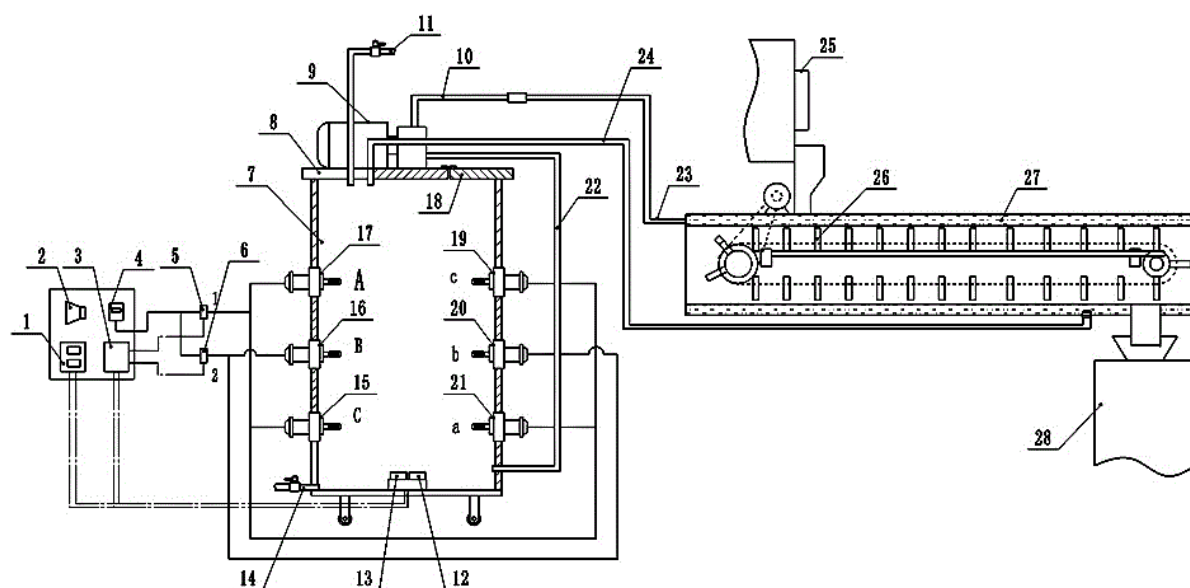
Family 19/100 - FAMPAT - ©Questel

Title

(CN205998536U)

Grog heat preservation system of extracting oil

Images



Publication data including kind & date

[CN205998536](#)

U

2017-03-08

CN205998536U



Abstract

(CN205998536)

Grog heat preservation system of extracting oil, this heat preservation system is by heating device, control system and grog heat preservation system composition, heating device comprises water tank and electric heating pipe, and electric heating pipe has two sets ofly, and the symmetry is installed in the water tank side, installs the washing blow off pipe bottom the water tank, control system comprises **temperature** water level display, bee calling organ, controller, level switch and water **temperature sensor**, and level switch and water **temperature sensor** install in the water tank bottom, the circulation heating device comprises circulating water pump and heating water cavity, and the heating water cavity design is in transfer passage's upper and lower both sides. Owing to seal feed track both sides installation heating water cavity in the scraper blade secret, ensure to squeeze the grog and reduce lessly at the transportation process moderate **temperature**, because three region is installed electric heating pipe and install **temperature sensor** at the bottom of the water tank under in on the water tank, heating **temperature** control is more accurate, owing to install level switch, has avoided the empty condition of burning of water tank to take place.

Inventors

LIU JUN

CENG XIANGJU

LI LINKAI

LI JIANHUI
LIU YONGPING
WANG BAOCAI
CHAI WEIWU
LI GONG
REN FANG
CHEN YUNLIAN

Latest standardized assignees - inventors removed

YUNNAN DIANXUE **GRAIN** & OIL

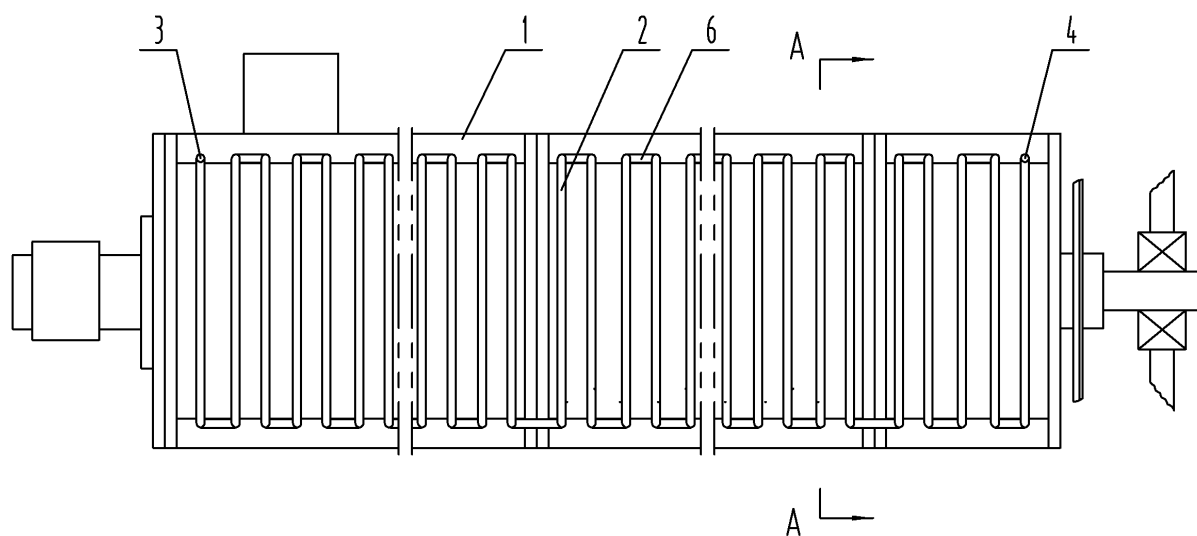
Family 20/100 - FAMPAT - ©Questel

Title

(CN202573103U)

Pressing bar cooling device of spiral oil **press**

Images



Publication data including kind & date

[CN202573103](#)

U 2012-12-05 CN202573103U



Abstract

(CN202573103)

The utility model relates to a cooling device and particularly relates to a pressing bar cooling device of a spiral oil **press**. The pressing bar cooling device comprises cooling coils which are of a semi-circle coil type structure, the cooling coils are arranged on outer surfaces of two pressing bar semi-cylinders in a matching mode respectively and fully cover the outer surfaces of the two pressing bar semi-cylinders, a refrigerant inlet is arranged at one end of each of the cooling coils, and a refrigerant outlet is arranged at the other end of each of the cooling coils; each of the cooling coils is formed by sequentially connecting a plurality of semicircle-shaped elbow pipes and a plurality of horizontal straight pipes in a head-to-tail mode, and the semicircle-shaped elbow pipes and the horizontal straight pipes are matched with the outer surfaces of the pressing bar semi-cylinders; the elbow pipes and the straight pipes are perpendicular or inclined to each other; a **temperature sensor** is fixedly installed on the outer surface of one end of a pressing bar; and a refrigerant is tap water, softened water, edible oil or non-toxic mineral oil. The pressing bar cooling device of the spiral oil **press** is high in oil yield, low in power consumption, applicable to popularization and implement and capable of effectively controlling temperatures during a peanut oil pressing process, guaranteeing temperatures of peanut cakes not to exceed 60 DEG C during the peanut oil pressing process, avoiding denaturation of peanut proteins and losses of trace beneficial components and guaranteeing qualities of cold pressed peanut oil.

Inventors

JIN YUMING
ZHANG SHENGYU

ZHENG ZHICHENG

WANG DIANXUAN

WU XIA

SUN XUDONG

ZHANG HUAIBIN

LI XIAODONG

LIU WUKUI

WANG WEILIANG

DU ZHANGAN

LI PUXUAN

WANG XU

Latest standardized assignees - inventors removed

HENAN UNIVERSITY OF TECHNOLOGY

ZHENGZHOU DINGSHENG MECHANICAL EQUIPMENT

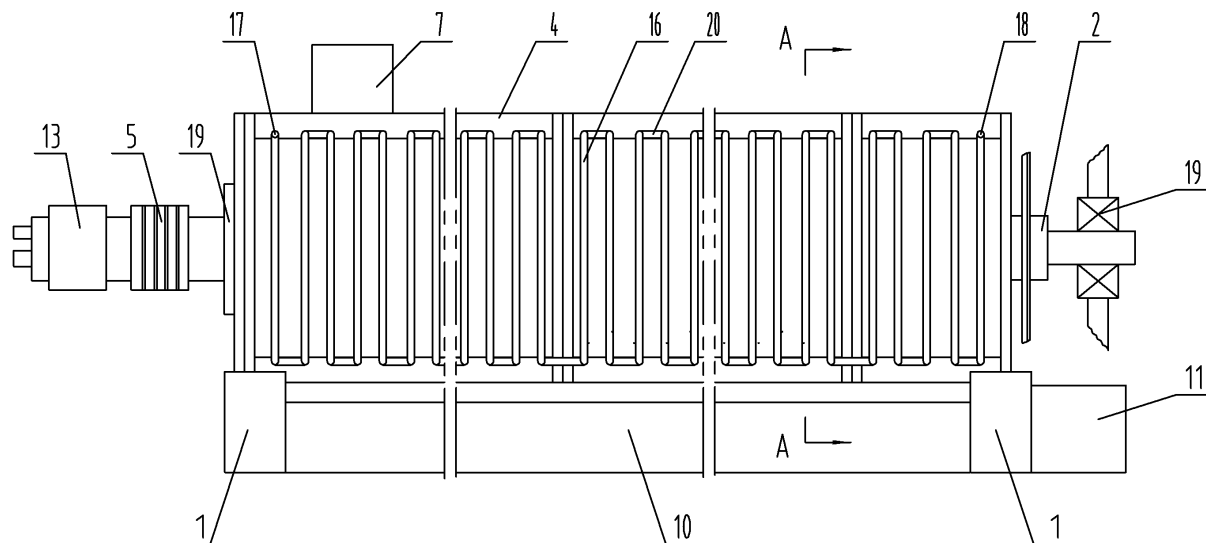
HENAN THREE SOURCES OF **GRAIN** & OIL FOOD LIABILITY

ZHENGZHOU GONGDA ENGINEERING SURVEY & DESIGN

Family 21/100 - FAMPAT - ©Questel

Title

(CN102700159B)

Twin-screw oil **press** with cooling device**Images****Publication data including kind & date**

CN102700159	A	2012-10-03	CN102700159
CN102700159	B	2015-03-11	CN102700159B

**Abstract**

(CN102700159)

The invention relates to a screw oil **press**, in particular to a twin-screw oil **press** with a cooling device. The twin-screw oil **press** comprises a rack, wherein a hollow pressing shaft is arranged above the rack; the pressing shaft is fixedly provided with a plurality of spiral blades; a pressing row is sleeved out of the blades; the pressing row consists of two half-cylinders; one end of the pressing shaft is provided with a transmission mechanism; a pressing row cavity is formed between the pressing row and the blades; one end of the pressing row cavity is communicated with a material inlet arranged above the upper side; the other end of the pressing row cavity is provided with a cake outlet adjusting mechanism; the material inlet is provided with a spiral feeding mechanism; an oil collection tank is arranged on the middle part of the rack and below the pressing row; the side of the rack corresponding to the cake outlet adjusting mechanism is provided with a cake collection tank; and the oil **press** further comprises a pressing shaft cooling device and a pressing row cooling device. With the

adoption of the oil **press**, the **temperature** in a peanut oil pressing process is controlled effectively, and the condition that the cake **temperature** in the peanut oil pressing process is not higher than 60 DEG C is ensured, so that the condition that the modification of peanut protein and the loss of micro beneficial components is avoided, the quality of cold-**press** peanut oil is guaranteed; besides, the oil yield is high and the power consumption is low, thereby the twin-screw oil **press** is beneficial to development and promotion.

Inventors

LI PUXUAN

DU ZHANGAN

WANG XU

JIN YUMING

ZHANG SHENGYU

ZHENG ZHICHENG

LI XIAODONG

WANG DIANXUAN

WU XIA

SUN XUDONG

ZHANG HUAIBIN

LIU WUKUI

WANG WEILIANG

CHEN XIAOJUN

SONG HAIJUN

Latest standardized assignees - inventors removed

HENAN UNIVERSITY OF TECHNOLOGY

ZHENGZHOU DINGSHENG MECHANICAL EQUIPMENT

HENAN THREE SOURCES OF **GRAIN** & OIL FOOD LIABILITY

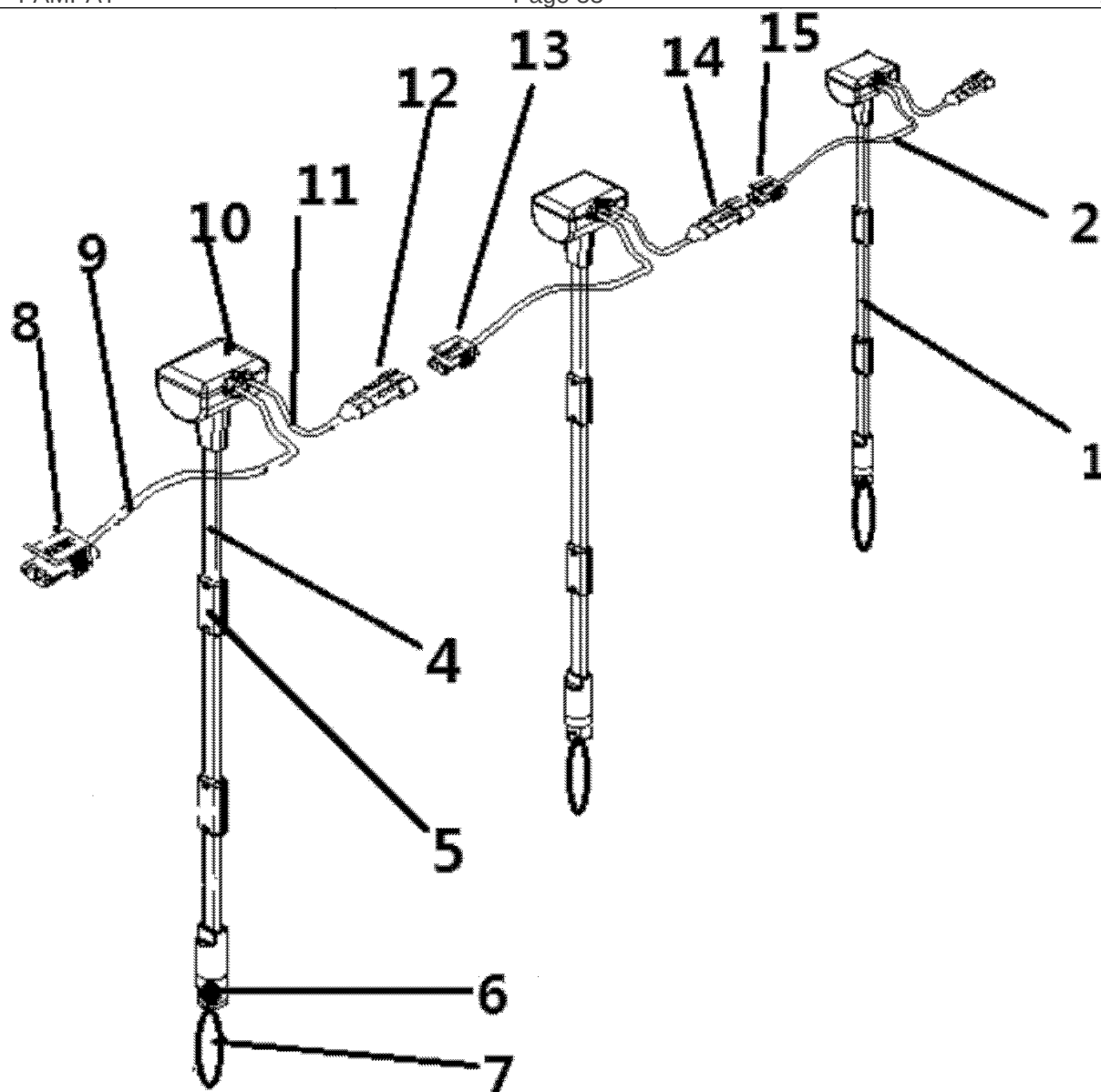
ZHENGZHOU GONGDA ENGINEERING SURVEY & DESIGN

Family 22/100 - FAMPAT - ©Questel

Title

(CN102589749B)

Temperature measurement cable component of **grain** condition measurement and control system**Images**



Publication data including kind & date

CN102589749	A	2012-07-18	CN102589749
CN102589749	B	2014-09-10	CN102589749B



Abstract

(CN102589749)

The invention discloses a **temperature** measurement cable component of a **grain** condition measurement and control system. The component comprises a trunk line (3), M lines of branch lines (2), and M*N **temperature** measurement cables (1), wherein each **temperature** measurement cable (1) consists of a field **temperature** measurement cable lead wire (19), J package mechanisms and injection pressing bodies (70), wherein the J package mechanisms are distributed on the field **temperature** measurement cable lead wire (19); and the injection pressing bodies (70) are arranged at the lower end of the field **temperature** measurement cable lead wire (19). The upper ends of the **temperature** measurement cables (1) are fixedly connected each line of branch lines (2) and are distributed on each line of branch lines (2). Both the branch lines (2) and the trunk line (3) adopt the field **temperature** measurement cable lead wire (19). The field **temperature** measurement cable lead wire (19) comprises a No. 1 steel wire lead wire (16), a No. 2 steel wire lead wire (17) and field insulating sleeves (20). The annular insulating sleeves on the periphery of the No. 1 steel wire lead wire (16) and the No. 2 steel wire lead wire (17) are connected into a whole by the intermediate plate part of the field insulating sleeves (20).

Inventors

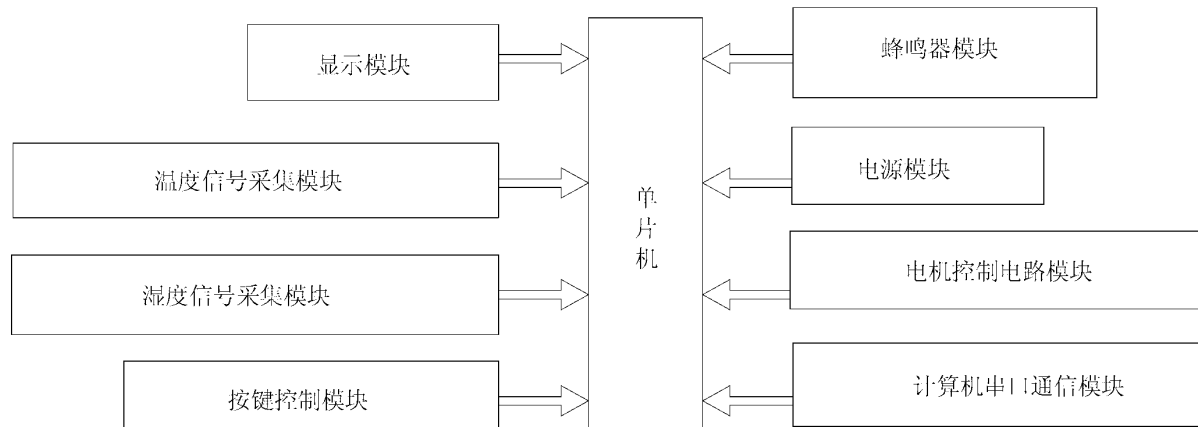
BU YULIANG

Family 23/100 - FAMPAT - ©Questel

Title

(CN102818594)

Low-temperature grain dynamic detector with thermostat automatic control system

Images**Publication data including kind & date**

CN102818594

A

2012-12-12

CN102818594

**Abstract**

(CN102818594)

The invention discloses a low-temperature grain dynamic detector with a thermostat automatic control system. In the low-temperature working environment, the low-temperature grain humidity dynamic detector comprises a humidity and temperature sensor module, a host control unit and a power supply and motor control unit, wherein the humidity and temperature sensor module is used for detecting the moisture of grains at the environmental temperature of minus 45 DEG C; the detected grains is subjected to humidity and temperature detection by a feed hopper with a constant temperature control sensor and is discharged by a discharge port after the detection is completed; the host control unit comprises a display device, a communication device, a key device and the like and is integrally arranged in a shell of the humidity detector; a power supply module takes charge of providing energy for the integral low-temperature grain humidity dynamic detector; and a motor takes charge of providing the power source. According to the equipment disclosed by the invention, the humidity detection on different types of grains in the environmental temperature of below minus 45 DEG C can be implemented and the competitiveness of the moisture detection of the grains is greatly improved.

Inventors

SHI DECAI

DONG YUDE

Latest standardized assignees - inventors removed

QUANJIAO JINZHU MECHANICAL MANUFACTURING

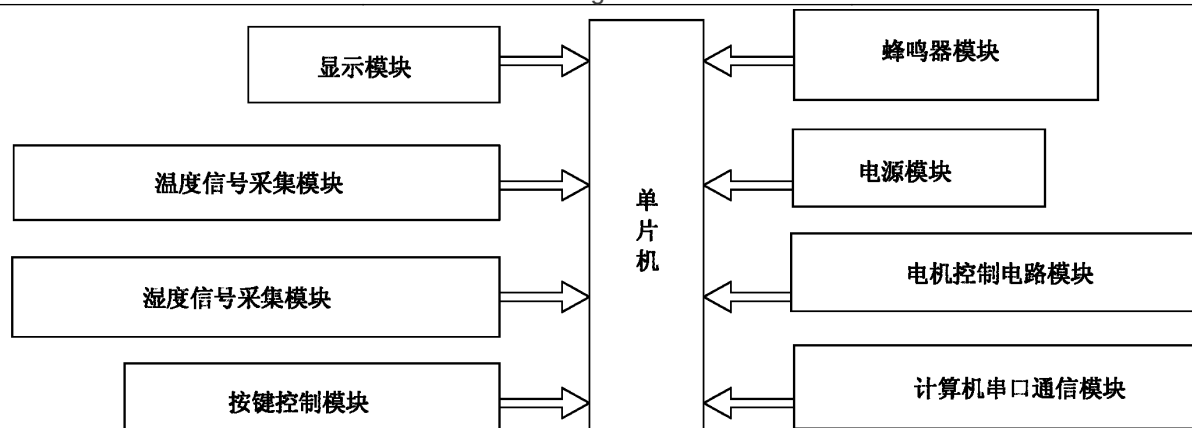
Family 24/100 - FAMPAT - ©Questel

Title

(CN202869534U)

Low-temperature grain dynamic detector with thermostat automatic control system

Images

**Publication data including kind & date**

CN202869534

U

2013-04-10

CN202869534U

**Abstract**

(CN202869534)

The utility model discloses a low-temperature grain dynamic detector with a thermostat automatic control system. In the low temperature working environment, the low-temperature grain humidity dynamic detector comprises a humidity and temperature sensor module, a host control unit and a power supply and motor control unit, wherein the humidity and temperature sensor module is used for detecting the moisture of grains at the environmental temperature of minus 45 DEG C; the detected grains is subjected to humidity and temperature detection by a feed hopper with a constant temperature control sensor and is discharged by a discharge port after the detection is completed; the host control unit comprises a display device, a communication device, a key device and the like and is integrally arranged in a shell of the humidity detector; a power supply module takes charge of providing energy for the integral low-temperature grain humidity dynamic detector; and a motor takes charge of providing the power source. According to the equipment disclosed by the utility model, the humidity detection on different types of grains in the environmental temperature of below minus 45 DEG C can be implemented and the competitiveness of the moisture detection of the grains is greatly improved.

Inventors

SHI DECAI

DONG YUDE

Latest standardized assignees - inventors removed

QUANJIAO JINZHU MECHANICAL MANUFACTURING

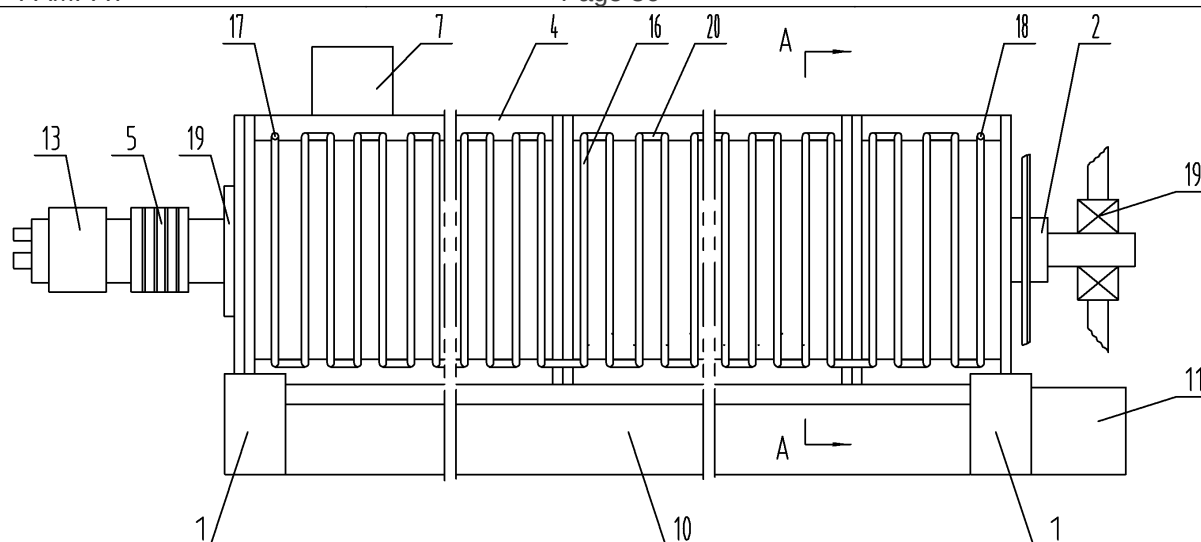
Family 25/100 - FAMPAT - ©Questel

Title

(CN202623330U)

Twin-screw oil press with cooling device

Images

**Publication data including kind & date**

CN202623330

U

2012-12-26

CN202623330U

**Abstract**

(CN202623330)

The utility model relates to a screw oil **press**, in particular to a twin-screw oil **press** with a cooling device. The twin-screw oil **press** comprises a machine frame, a pressing shaft cooling device and a pressing row cooling device, wherein a hollow pressing shaft is arranged above the machine frame; spiral blades are fixed on the pressing shaft; a pressing row which consists of two semicircular cylinders is sleeved outside the blades; one end of the pressing shaft is provided with a transmission mechanism; a pressing row cavity is formed between the pressing row and the blades; one end of the pressing row cavity is communicated with a material inlet which is positioned above the pressing row cavity, and the other end of the pressing row cavity is provided with a cake outlet regulating mechanism; a screw feeding mechanism is arranged in the material inlet; an oil collecting groove is arranged in the middle part of the machine frame and below the pressing row; and a cake collecting groove is formed in one side of the machine frame which corresponds to the cake outlet regulating mechanism. By the twin-screw oil **press** with the cooling device, **temperature** can be controlled effectively in the process of pressing oil out of peanuts, the cake **temperature** is not higher than 60 DEG C in the process of pressing the oil out of the peanuts, protein and trace beneficial components are prevented from being denatured, and the quality of peanut oil which is pressed out in a cold mode is guaranteed. The twin-screw oil **press** is high in oil yield, low in power consumption and suitable for popularization and application.

Inventors

WANG XU

JIN YUMING

ZHANG SHENGYU

ZHENG ZHICHENG

WANG DIANXUAN

WU XIA

SUN XUDONG

LI XIAODONG

ZHANG HUAIBIN

LIU WUKUI

WANG WEILIANG

DU ZHANGAN

LI PUXUAN

CHEN XIAOJUN

SONG HAIJUN

Latest standardized assignees - inventors removed

HENAN UNIVERSITY OF TECHNOLOGY

ZHENGZHOU DINGSHENG MECHANICAL EQUIPMENT

HENAN THREE SOURCES OF **GRAIN** & OIL FOOD LIABILITY

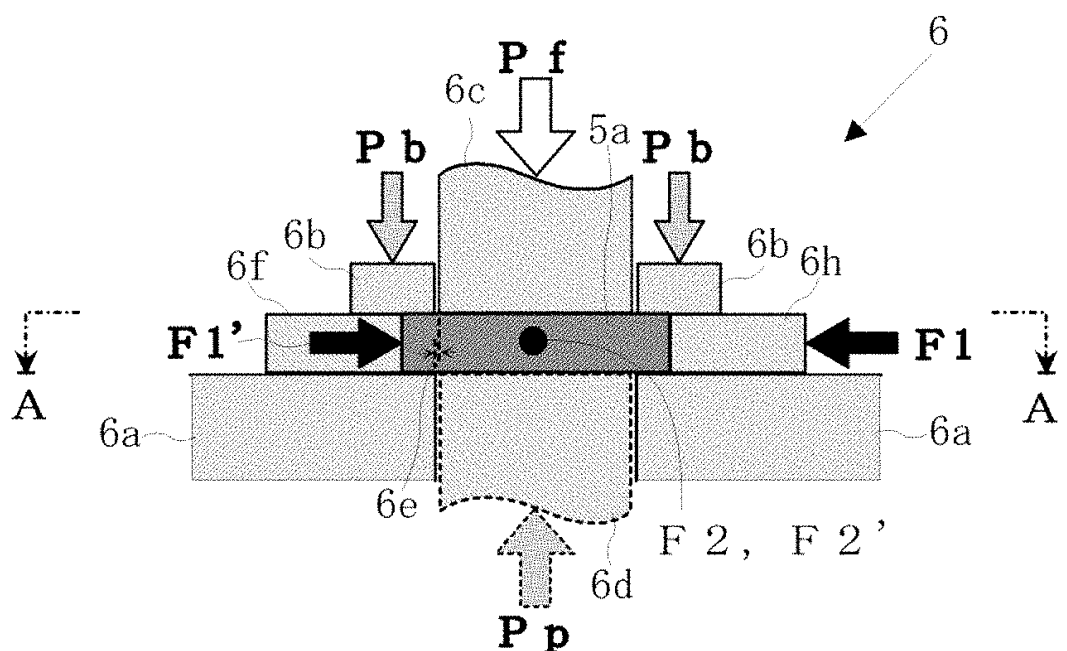
ZHENGZHOU GONGDA ENGINEERING SURVEY & DESIGN

Family 26/100 - FAMPAT - ©Questel

Title

(EP3167972)

Method for manufacturing pure niobium end group components for superconducting high-frequency acceleration cavity

Images**Publication data including kind & date**

EP3167972	A1	2017-05-17	EP3167972
EP3167972	A4	2017-08-30	EP3167972
EP3167972	B1	2018-09-26	EP3167972
WO2015/194517	A1	2015-12-23	WO2015194517
US20170113259	A1	2017-04-27	US20170113259
US10252314	B2	2019-04-09	US10252314
JPWO2015194517	A1	2017-04-20	JP2015194517W
JP6446046	B2	2018-12-26	JP6446046
CA2952404	A1	2015-12-23	CA2952404

**Abstract**

(EP3167972)

[Problem to be Solved] Targeting mass production, the present invention provides an advanced method of manufacturing pure niobium plate end-group components from pure niobium plate material for superconducting high frequency accelerator cavity, wherein the invention is to convert the procedure/production method from the conventional machining or waterjet cutting followed by the conventional cold forging to the whole **press**-forming. [Solution] A method of manufacturing pure niobium plate end-group components for superconducting high frequency accelerator cavity used for the acceleration of charged particles, composing of (1) shear-blanking procedure of the pure niobium plate different from the conventional fine blanking, wherein the clearance is set to be very small value below 0.5% of pure niobium plate thickness to form a near net

shape semi-product free from foreign objects on and below the material surface under the restriction of the material on binding tool to generate counter force, and (2) forging procedure at different temperatures from any of the conventional hot or warm or cold forging, wherein **press** forging is conducted to be free from the occurrence of blue brittleness/necking and to bring about prominent metal-flow, formability, the size accuracy in any portion of a product and the margin of further **press**-forming by controlling forging **temperature** to be below 200°C and beyond ambient room **temperature**, and characterized in that manufacturing method such as full machining or waterjet cutting followed by cold forging of the pure niobium plate end-group components is converted to the whole **press**-forming method.

Inventors

NOHARA KIYOHICO

KAWABATA NOBUYUKI

NAKAMURA HIDEYOSHI

MIYAJIMA KYOHEI

SHINOHARA MASAYUKI

HAYANO HITOSHI

YAMAMOTO AKIRA

SAEKI TAKAYUKI

KATO SHIGEKI

YAMANAKA MASASHI

Latest standardized assignees - inventors removedSHINOHARA **PRESS** SERVICE

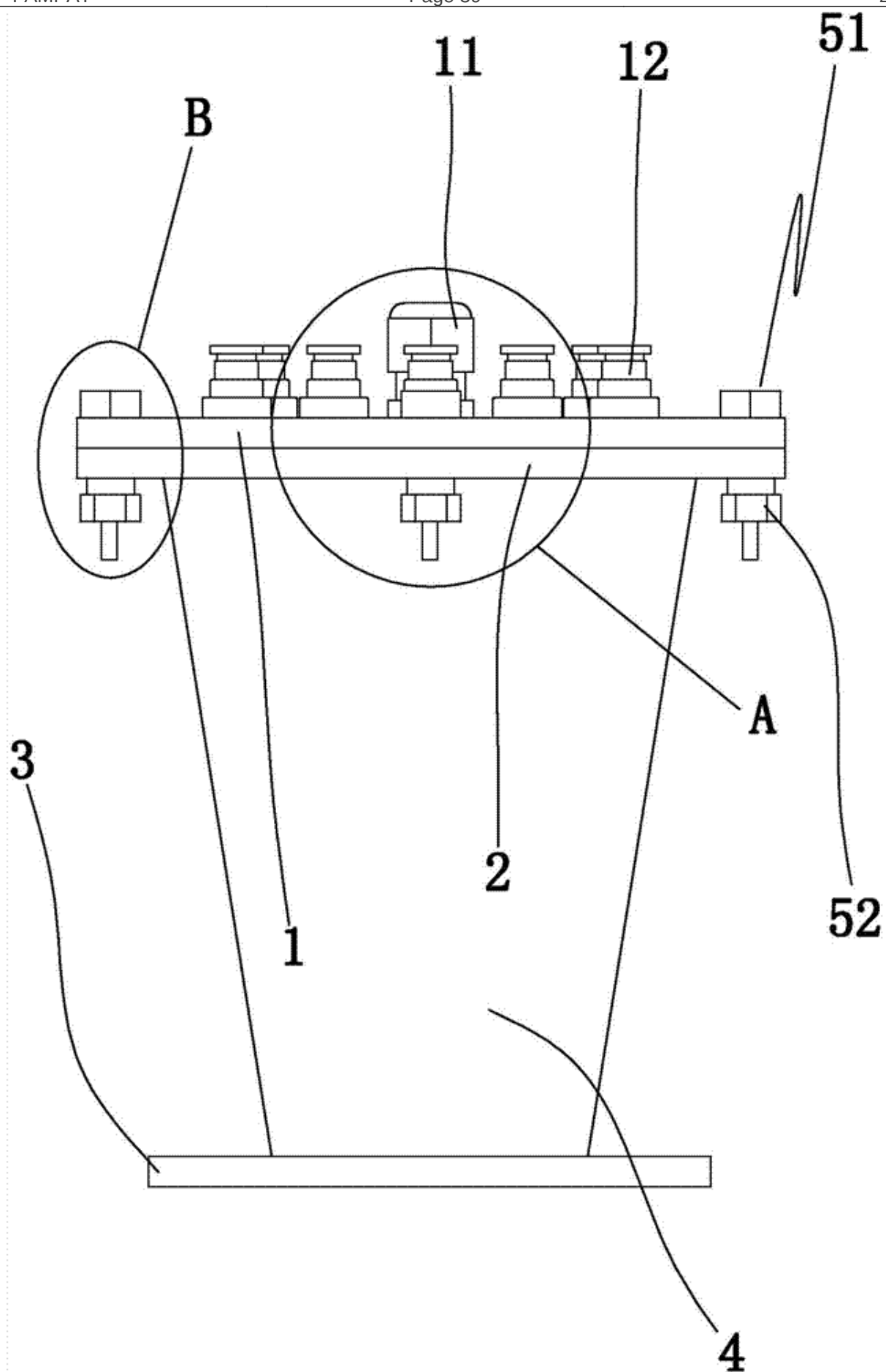
INTER UNIVERSITY RESEARCH INSTITUTE

Family 27/100 - FAMPAT - ©Questel

Title

(CN108036807)

Connection part for multi-parameter measurement of **grain** situation**Images**



Publication data including kind & date

[CN108036807](#)

A

2018-05-15

CN108036807



Abstract

(CN108036807)

The invention discloses a connection part for the multi-parameter measurement of the **grain** situation. The connection part comprises a first flange plate, a second flange plate, a protective tube sleeve and a third flange plate. A second plate hole is formed in the second flange plate. A third plate hole is formed in the third flange plate. The first flange plate and the second flange plate are connected through a plurality of bolt structures. A wire penetrating seat, a plurality of outer pipe joints and a plurality of inner pipe joints are arranged on the first flange plate. A wire penetrating hole is formed in the wire penetrating seat. The second flange plate and the wire penetrating seat are located on two opposite sides of the first flange plate. The second flange plate and any outer pipe joint are located on the two opposite sides of the first flange plate. Any inner pipe joint and any outer pipe joint are located on the two opposite sides of the first flange plate. Any inner pipe joint penetrates through the second plate hole. The connection part of the invention is reasonable in structure and capable of effectively assisting in sampling and monitoring multiple sample points in a granary. The connection for sampling pipes at a plurality of sample points can be carried out by the connection part. Meanwhile, the advantages of good integration performance, firm structure, convenient installation and connection, and the like are realized.

Inventors

GAO BINBIN

ZHANG YUNFENG

HUANG ZHIJUN

CHEN XI

CHEN YINGMING

FU HAO

Latest standardized assignees - inventors removedZHEJIANG **GRAIN** RESERVE MANAGEMENT

Family 28/100 - FAMPAT - ©Questel

Title

(EP3260024)

Juicing systems and methods

Images

[CN105473031](#)

A 2016-04-06 CN105473031

[CN105473031](#)

B 2018-11-02 CN105473031B

**Abstract**

(EP3260024)

Embodiments related to juicing methods and apparatuses for extracting juice from food matter using juicer cartridges are described. In one embodiment, a juicer cartridge (200) may include one or more separate internal compartments. Food matter loaded into the juicer cartridge (200) may be compressed by a corresponding juicer (100) and expelled through an outlet (220) that may be sealed until activation. Food matter may be pre-sized according to various physical characteristics, and the juicer cartridge may be injected with a gas to enhance shelf life and reduce nutrient loss. The juicer may also be provided with "smart" functionality to provide safety features, track usage, and enhance the operator experience. Several embodiments of packing systems for preparing juicer cartridges are also described.

Inventors

EVANS DOUGLAS

KATZ PAUL

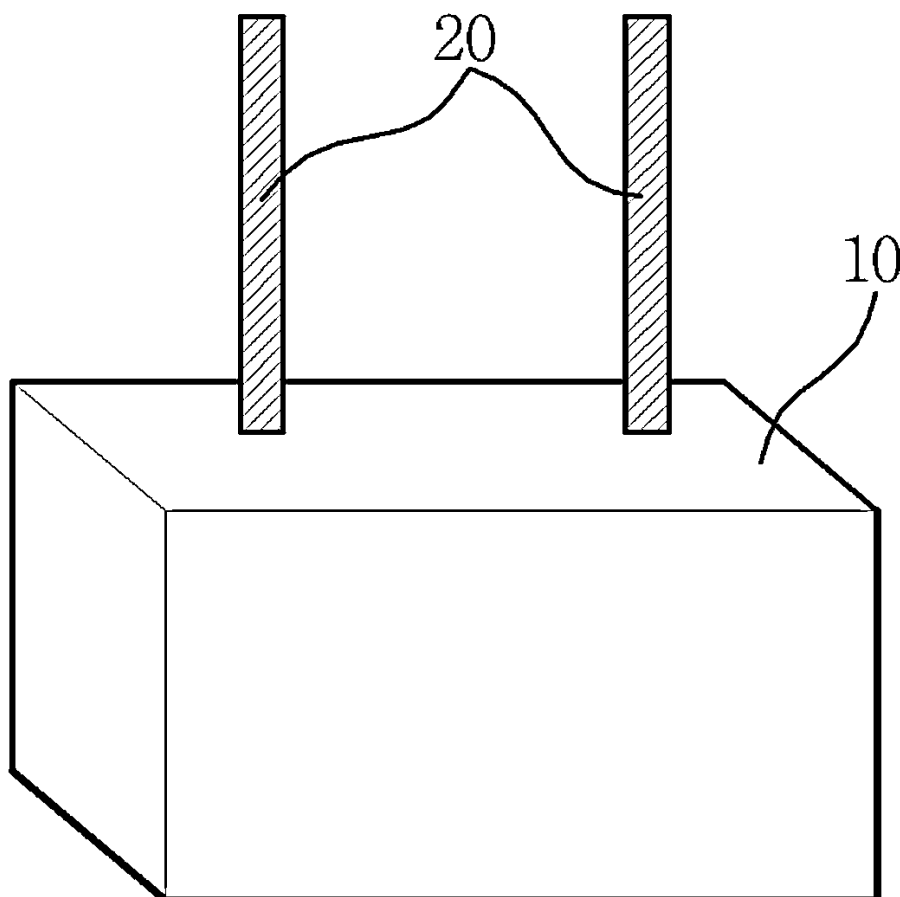
Latest standardized assignees - inventors removedFRESH **PRESS**

Family 29/100 - FAMPAT - ©Questel

Title

(US8840302)

Composite material for a **temperature sensor**, and a method of manufacturing a **temperature sensor** using the same**Images**



Publication data including kind & date

US20130208764	A1	2013-08-15	US20130208764
US8840302	B2	2014-09-23	US8840302
US20140367621	A1	2014-12-18	US20140367621
US9404805	B2	2016-08-02	US9404805
KR20130092349	A	2013-08-20	KR20130092349
KR101304939	B1	2013-09-06	KR101304939



Abstract

(US20130208764)

A composite material for a **temperature sensor** and a method of manufacturing the **temperature sensor** using the composite material are provided. The composite material contains four or more kinds of metal oxides combined with highly insulating materials to produce a material with semiconductor-like properties to more accurately measure a **temperature** at high **temperature** in the range of 500° C. and above. The **sensor** includes electrode wires having a predetermined diameter inserted into the metal oxide of the **temperature sensor** when the metal oxide is **press**-molded to form the **temperature sensor**. Through the connection of the electrode wires to the **temperature sensor** device, disconnection of the electrode wires from the device even at a high **temperature**.

Inventors

KO NA YUN

LEE TAE SEUNG

PARK JIN SEONG

Latest standardized assignees - inventors removed

HYUNDAI MOTOR

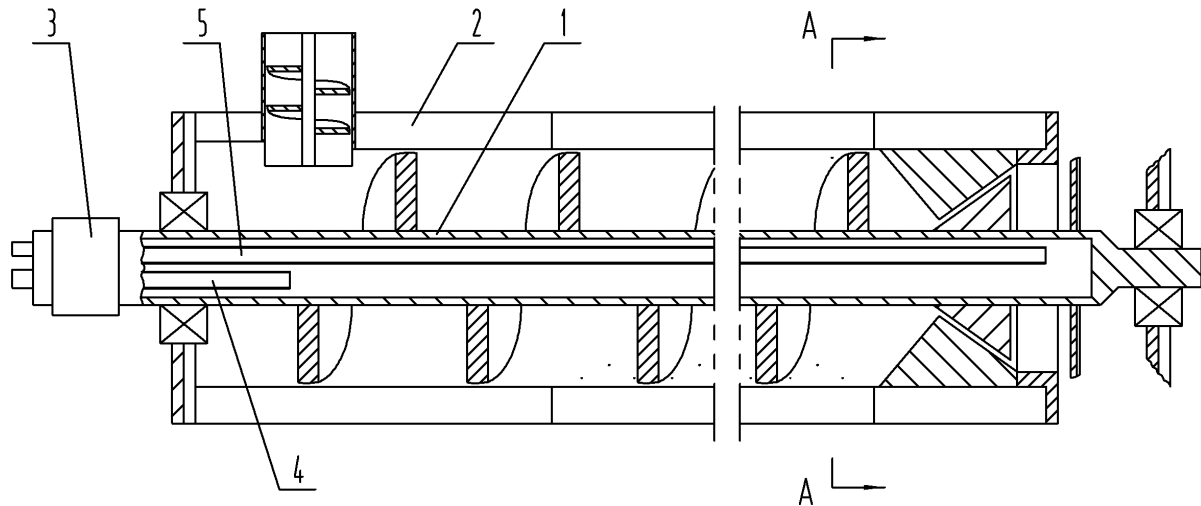
INDUSTRY ACADEMIC COOP FOUND CHOSUN UNIVERSITY

Family 30/100 - FAMPAT - ©Questel

Title

(CN202573102U)

Pressed-oil cooling device for spiral oil presses

Images**Publication data including kind & date**[CN202573102](#)

U

2012-12-05

CN202573102U

**Abstract**

(CN202573102)

The utility model relates to a cooling device, and especially relates to a pressed-oil cooling device for spiral oil presses. The cooling device comprises a rotary joint fixedly arranged at one end of a hollow pressing shaft, a refrigerant is filled in the hollow pressing shaft through the rotary joint, a refrigerant feed pipe and a refrigerant discharge pipe are simultaneously arranged in a central cavity of the pressing shaft through the rotary joint, the refrigerant feed pipe is a hollow long pipe, the refrigerant discharge pipe is a hollow short pipe, and the tail end of the refrigerant feed pipe extends to the bottom of the central cavity of the pressing shaft; a **temperature sensor** is fixedly arranged on the outside surface of a pressing discharge pipe sleeved at the other end of the pressing shaft; the refrigerant feed pipe and the refrigerant discharge pipe are arranged in parallel in the hollow pressing shaft; and the refrigerant is tap water, softened water, edible oil or non-toxic mineral oil. The cooling device disclosed by the utility model can effectively control the **temperature** of a peanut oil-pressing process, and can ensure that the **temperature** of cakes is not more than 60 DEG C in the process of peanut oil-pressing, thereby avoiding the denaturation of peanut proteins and the loss of trace beneficial components, and ensuring the quality of cold-pressed peanut oil; and the oil yield is high, and the power consumption is small, therefore, the cooling device is suitable for promotion and implementation.

Inventors

ZHANG SHENGYU

ZHENG ZHICHENG

WANG DIANXUAN

WU XIA

SUN XUDONG

ZHANG HUAIBIN

LIU WUKUI

WANG WEILIANG

LI XIAODONG

DU ZHANGAN

LI PUXUAN

WANG XU

JIN YUMING

CHEN XIAOJUN

SONG HAIJUN

Latest standardized assignees - inventors removed

HENAN UNIVERSITY OF TECHNOLOGY

ZHENGZHOU DINGSHENG MECHANICAL EQUIPMENT

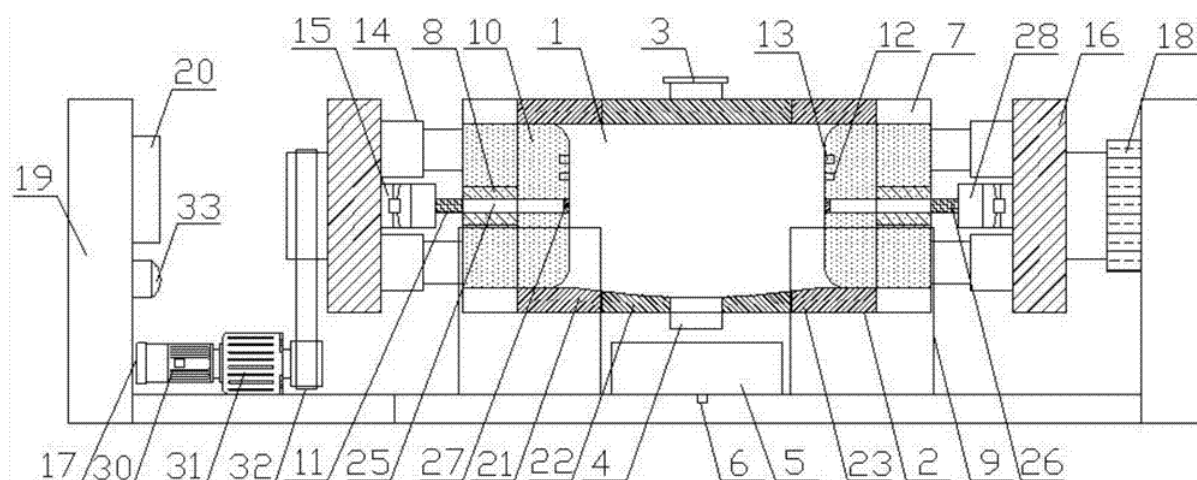
HENAN THREE SOURCES OF **GRAIN** & OIL FOOD LIABILITY

ZHENGZHOU GONGDA ENGINEERING SURVEY & DESIGN

Family 31/100 - FAMPAT - ©Questel

Title

(CN108300560)

Temperature-controlled drum seed frying machine with fully-automatic seed unloading function**Images****Publication data including kind & date**

CN108300560

A

2018-07-20

CN108300560

**Abstract**

(CN108300560)

The invention discloses a **temperature**-controlled drum seed frying machine with a fully-automatic seed unloading function. The seed frying machine comprises a drum, wherein a heating layer is arranged on the outer wall of the drum; a feed port is formed in the top of the drum, and a discharge port is formed in the bottom of the drum; a collecting tank is arranged under the discharge port; a weighing **sensor** is arranged at the bottom of the collecting tank; sealing covers are arranged at two ends of the drum. Gas pressure sensors detect that interior pressure in the drum is increased, a PLC (programmable logic controller) controls hydraulic rods to drive mobile pistons to move inwards the drum, hot air in the drum is pressurized, interior **temperature** is increased after the hot air is pressurized, a second heating section performs heating continuously, a first heating section and a third heating section stop heating, and energy is saved; after **temperature** sensors detect that the interior **temperature** reaches the proper **temperature**, the PLC controls the hydraulic rods to drive the mobile pistons to stop working, a driving device continuously drives the drum to overturn and heat materials inside, the heating is fast, interior heating is uniform, energy is saved, and the service life of the heating layer is prolonged.

Inventors

WANG JUN

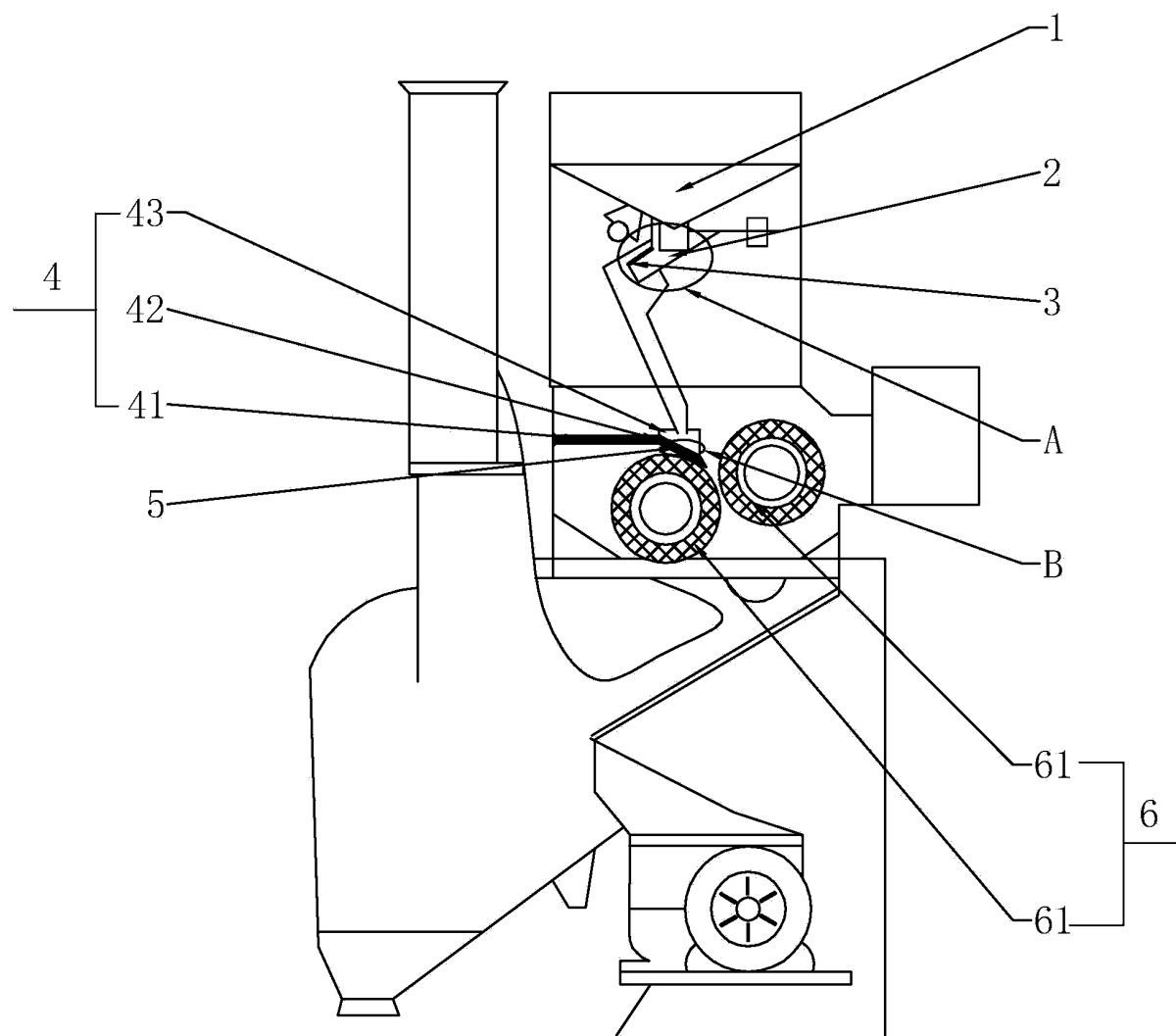
Latest standardized assignees - inventors removedANHUI TAIHU COUNTY MINGFENG **GRAIN** & OIL MACHINERY MANUFACTURING

Family 32/100 - FAMPAT - ©Questel

Title

(CN204074128U)

Rubber roller rice huller

Images**Publication data including kind & date**

CN204074128

U

2015-01-07

CN204074128U

**Abstract**

(CN204074128)

The utility model discloses a rubber roller rice huller which is capable of automatically adjusting size of a sample inlet. The rubber roller rice huller comprises a rice huller shell, a feed device and a pressing cavity, wherein the feed device comprises a sample inlet, a pressing device is arranged in the pressing cavity, an electric control device is arranged in the huller shell and connected with a **temperature** sensing bulb, the **temperature** sensing bulb is fixedly arranged in the sample inlet, and the electric control device comprises a pressure **sensor**. The pressure **sensor** is sequentially in signal connection with an amplifying unit and an executing unit, the amplifying unit is used for receiving electric signals measured by the pressure **sensor**, the executing unit is connected with the **temperature** sensing bulb, a photoelectric coupler receives the electric signals transmitted by the amplifying unit and feeds the same back to a relay, the relay receives the signals to control operating of the **temperature** sensing bulb. The rubber roller rice huller is capable of automatically powering the **temperature** sensing bulb when pressure at the pressing device is high due to high sampling speed, and the **temperature** sensing bulb is capable of expanding with heat, so that the sampling inlet is reduced, the rubber rollers can be prevented from being stuck or the discharge outlet is prevented from blockage.

Inventors

KONG HUOXIANG

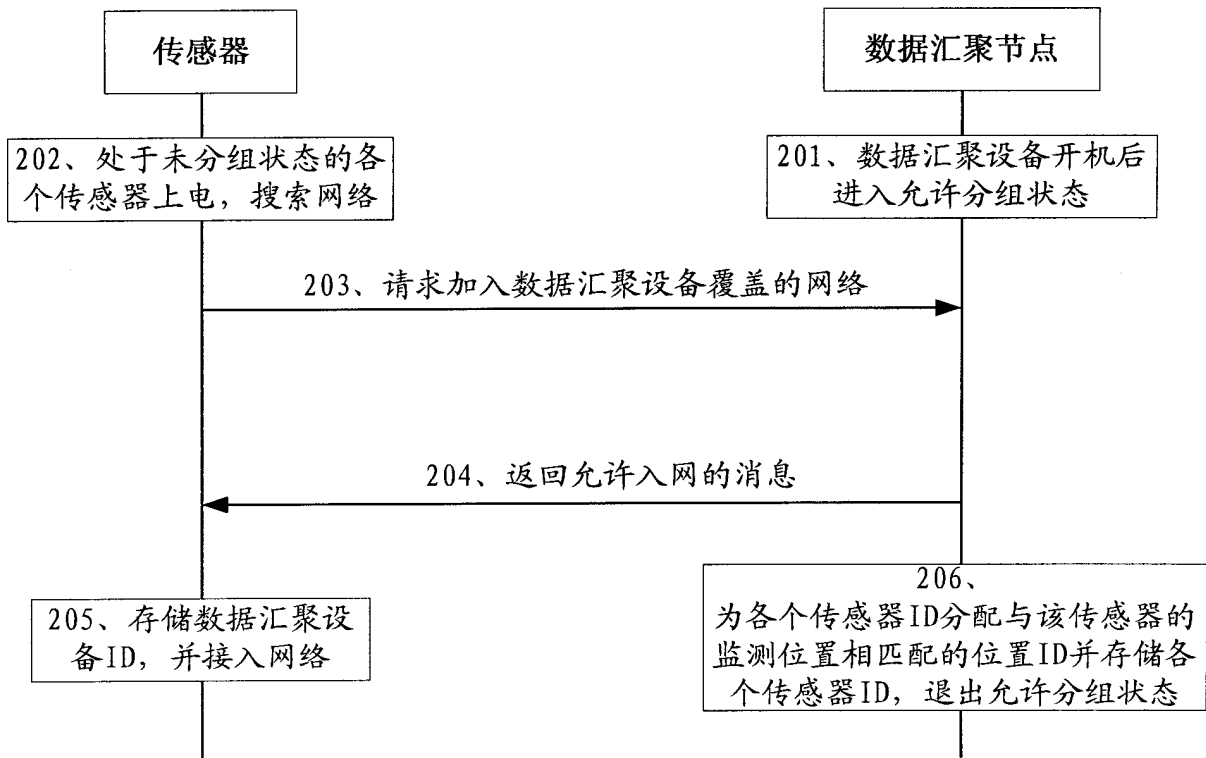
Latest standardized assignees - inventors removedZHEJIANG HENGLE **GRAIN**

Family 33/100 - FAMPAT - ©Questel

Title
(CN102333388B)

Method and system for grouping wireless **sensor** networks, as well as **sensor** and data sink node

Images



Publication data including kind & date

CN102333388	A	2012-01-25	CN102333388
CN102333388	B	2015-04-22	CN102333388B



Abstract

(CN102333388)

The invention discloses a method for grouping wireless **sensor** networks. The method comprises the following steps: a data sink node enters a grouping allowing state after startup; the data sink node receives requests on joining a data sink node covering network, wherein the requests are sent by all sensors in an ungrouped state; the data sink node returns information on allowing network access towards the sensors requesting joining, so that the sensors can store the ID of the data sink node; and the data sink node configures position IDs matched with monitoring positions of the sensors for the IDs of the sensors requesting joining, stores the IDs of the sensors requesting joining, retreats from the grouping allowing state and enters in a grouping forbidding state. The invention further discloses system for grouping wireless **sensor** networks, as well as a **sensor** and a data sink node. According to the invention, grouping can be realized according to needs of users, the equipment space is saved, the grouping procedures are simplified, and users can manage the wireless **sensor** networks conveniently.

Inventors

TANG ZHIBIN
ZHANG JUNHUI
LIU QI

Latest standardized assignees - inventors removed

ZHEJIANG TOPSUN LOGISTIC CONTROL
WUXI BEETECH **SENSOR** TECHNOLOGY

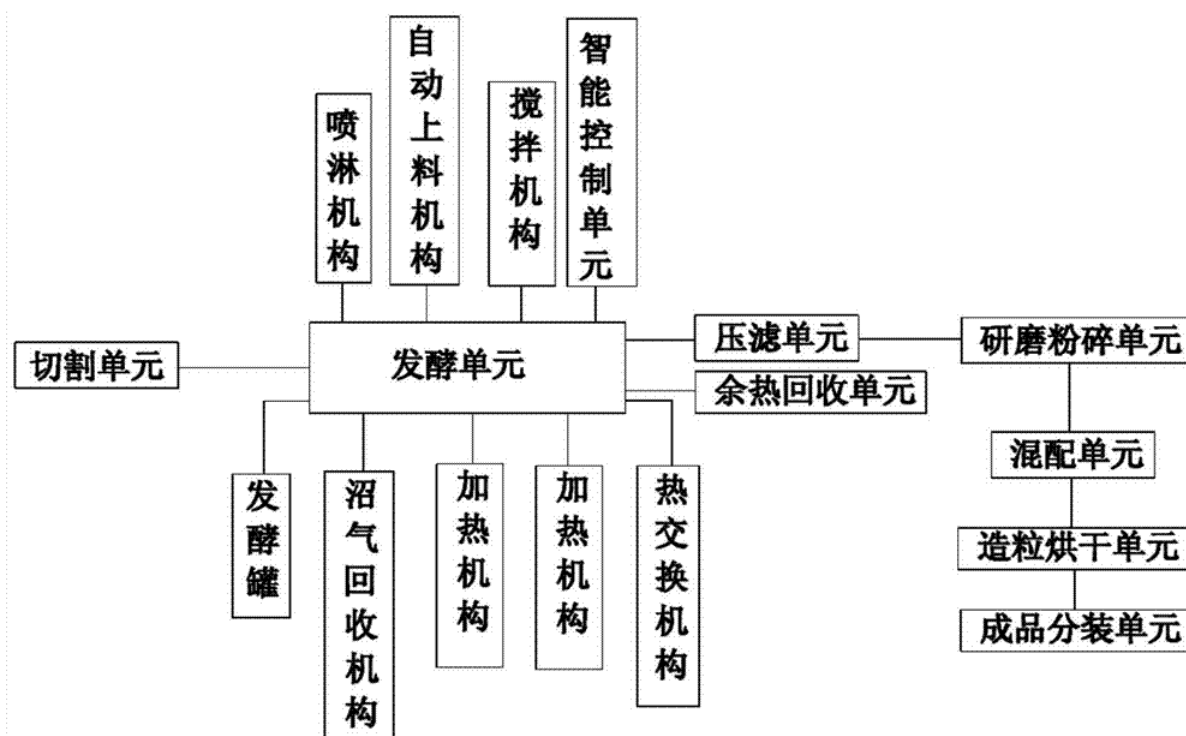
Family 34/100 - FAMPAT - ©Questel

Title

(CN104817399)

Intelligent preparation system and preparation method for synthesizing quick-acting and slow-release integrated efficient ecological compound fertilizer through straw microbial fermentation

Images



Publication data including kind & date

CN104817399	A	2015-08-05	CN104817399
CN104817399	B	2017-11-21	CN104817399B



Abstract

(CN104817399)

The invention discloses an intelligent preparation system and preparation method for synthesizing a quick-acting and slow-release integrated efficient ecological compound fertilizer through straw microbial fermentation. The system comprises a cutting unit, a fermentation unit, an intelligent control unit, a waste heat recovery unit, a **press** filtration unit, a grinding and crushing unit, a blending unit, a granulation and drying unit and a finished product sub-packaging unit, wherein the fermentation unit comprises a fermentation tank, a biogas recovery mechanism, a heating mechanism, a heat exchange mechanism, a sprinkling mechanism, an automatic feeding mechanism and a stirring mechanism. The method comprises the following steps: performing sealed fermentation on straws and animal feces; and performing water **press** filtration on a fermentation product, then performing high-**temperature** inactivation, adding an appropriate amount of inorganic quick-acting fertilizer and trace element fertilizer, rooting powder, a drought-resistant water retention agent and clay, mixing, and performing granulation and drying to obtain the compound fertilizer. By adopting the system and the method disclosed by the invention, fresh animal feces are used as a leaven which contains a lot of microorganism bacteria and digestive enzymes and can promote biological degradation and decomposition of the straws; and moreover, the animal feces are further fermented to be beneficial for opening unstable ester bonds in straw cellulose, accelerating the degradation of the straws and shortening the fermentation period.

Inventors

SHANG CHENGDE
 CAO JING
 WANG FENG
 SHANG HONGFENG
 CAO YONGSHENG
 LÜ CUNJUN

ZHANG WEI

WANG ZHIQING

Latest standardized assignees - inventors removed

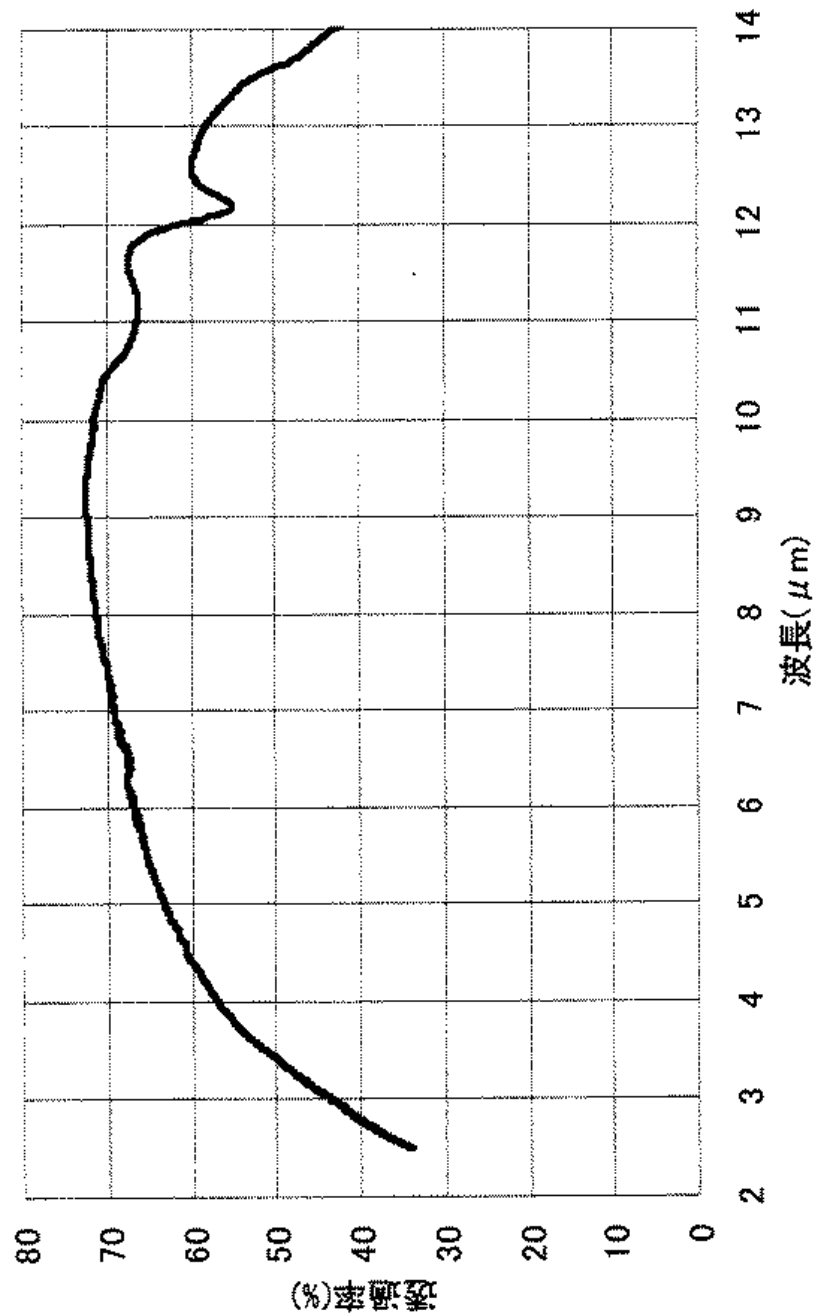
ANHUI JULI **GRAIN** MACHINE TECHNOLOGY

Family 35/100 - FAMPAT - ©Questel

Title

(JP2014129216)

Production method of inorganic material for optical element

Images**Publication data including kind & date**[JP2014129216](#)

A 2014-07-10

JP2014129216

[JP6012537](#)

B2 2016-09-30

JP6012537



Abstract

(JP2014129216)

PROBLEM TO BE SOLVED: To provide a production method of an inorganic material for an optical element having high infrared transmissivity. **SOLUTION:** A production method of an inorganic material for an optical element comprises: a first step of filling a thermostable mold for hot **press** with zinc sulfide cubic crystal particle powder, and heat-degassing the particle powder under ambient pressure (P1) of 0.1 Pa or less; a second step of pressurizing the filler in the thermostable mold for hot **press** up to a pressure range of 20 MPa to 70 MPa by hot **press** while maintaining the ambient pressure (P1) and rising the **temperature** of the filler up to a **temperature** range (t2) of 850°C to 1100°C; and a third step of hot compression molding under ambient pressure (P2) of 0.1 MPa or more which is controlled by either or both of inert gas and non-oxidation gas while maintaining the **temperature** range (t2) and the pressure range.

Inventors

Kazuo Shioriya

Kunihiro Yutaka

Shunji Mitsuishi

Yuji Tokudome

Nakagawa Norio

Takeshi Yamamura

Yoshikazu Matsumura

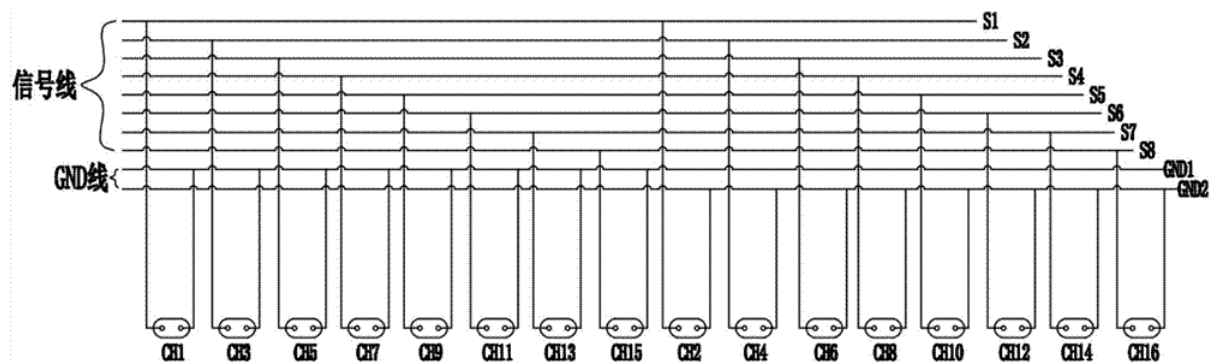
Latest standardized assignees - inventors removedJAPAN ULTRA HIGH **TEMPERATURE** MATERIALS RESEARCH CENTER

Family 36/100 - FAMPAT - ©Questel

Title

(CN108332805)

Cereal situation detection and control wiring system

Images**Publication data including kind & date**

CN108332805

A 2018-07-27 CN108332805

**Abstract**

(CN108332805)

The invention discloses a cereal situation detection and control wiring system which is characterized by comprising a warehouse entry bus, wherein the warehouse entry bus comprises a plurality of signal lines and a plurality of GND (Ground) lines; branch lines of which the number is equal to that of the GND lines extend from each signal line; each branch line is matched with one GND line to form an independent channel; a plurality groups of **sensor** groups are arranged inside a cereal warehouse; each **sensor** group is connected with one channel; different channels can be called by switching the signal lines and the GND lines in a time sharing grouping complexing mode to read each group of the **sensor** groups. By adopting the cereal situation detection and control wiring system disclosed by the invention, standardization of warehouse entry buses and **temperature** measuring cables of horizontal warehouse cabins can be achieved, the cables of different channels can be randomly exchanged, sensors do not need to be numbered in on-site mounting and maintenance, great convenience can be brought to standardized production and mounting and maintenance of the cables, the mounting

and maintenance cost of the system can be lowered, and the system is good in interference resistance, simple in structure and good in universality.

Inventors

FENG HAO

ZHAO XIAOJUN

XIE PENG

ZOU BIWEN

DING JIANWU

ZOU YIAO

WU JUNLI

JIANG XUEMEI

Latest standardized assignees - inventors removed

SINOGRain CHENGDU GRAIN STORAGE RESEARCH INSTITUTE

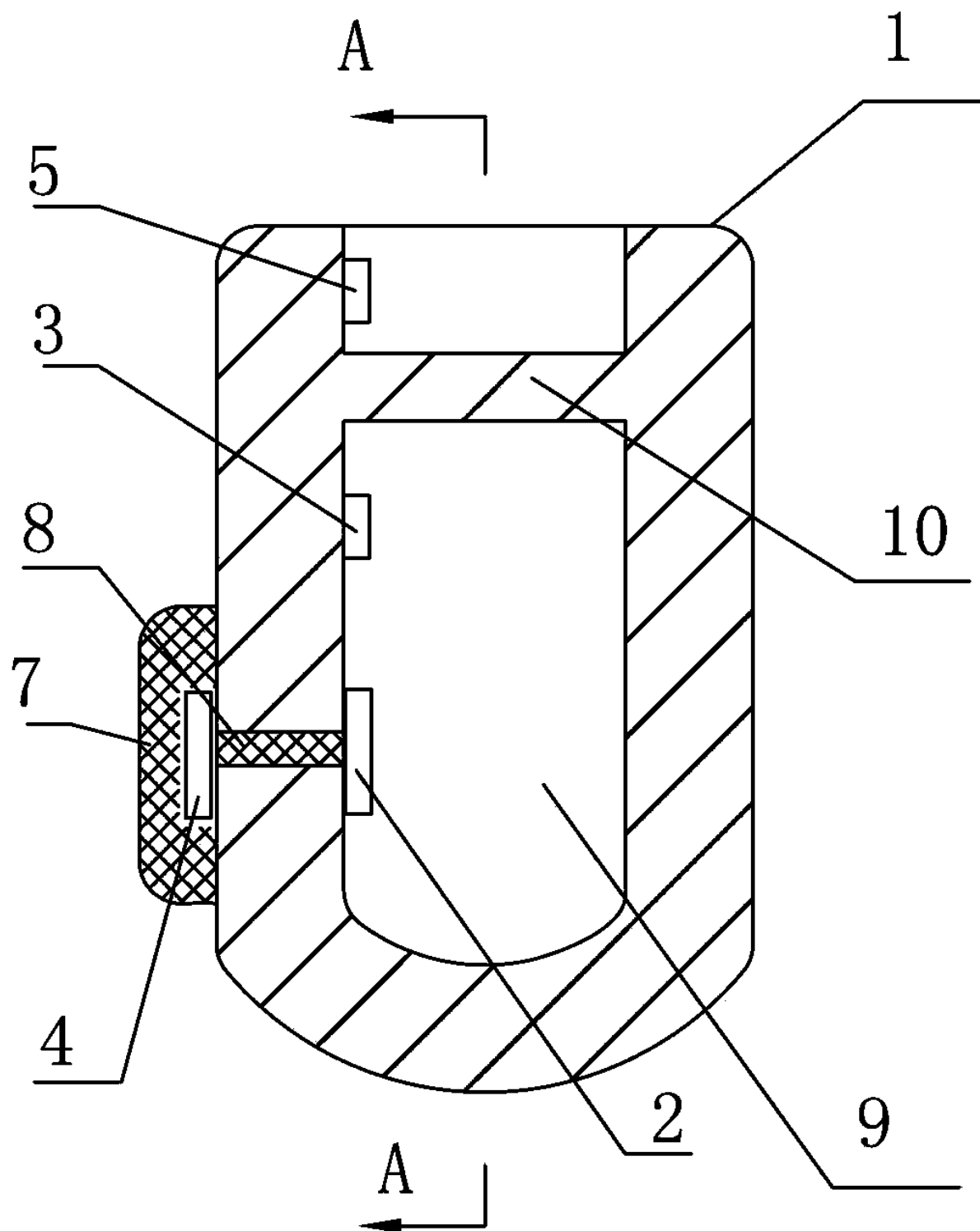
Family 37/100 - FAMPAT - ©Questel

Title

(CN103257170B)

Portable tube-type wide domain oxygen sensor and manufacturing method thereof

Images



Publication data including kind & date

CN103257170	A	2013-08-21	CN103257170
CN103257170	B	2014-11-05	CN103257170B



Abstract

(CN103257170)

The invention discloses a portable tube-type wide domain oxygen **sensor** and a manufacturing method thereof. The portable tube-type wide domain oxygen **sensor** comprises a U-shaped zirconium oxide pipe, wherein the inner wall of the U-shaped zirconium oxide pipe is provided with an inner electrode of a pump battery and an inner electrode of a measurement battery; the outer wall of the zirconium oxide pipe is provided with an outer electrode of the pump battery and an outer electrode of the measurement battery; the side wall of the U-shaped zirconium oxide pipe is provided with a hole used for communicating the inner electrode of the pump battery with the outer electrode of the pump battery; and Al₂O₃ porous diffusion barrier is filled in the hole. The portable tube-type wide domain oxygen **sensor** has the beneficial effects that the needed U-shaped zirconium oxide pipe is molded once by adopting an injection molding technology, the

electrodes, a coating and the like are printed on a green body of the U-shaped zirconium oxide pipe, and the tube-type wide domain oxygen **sensor** can be formed by one-step sintering, so that the heating efficiency and the starting speed of the **sensor** are improved, the using cost is lowered, and the accuracy of the wide domain oxygen **sensor** is improved; and the portable tube-type wide domain oxygen **sensor** has the characteristic of simple structure and is convenient to use.

Inventors

XU BIN

HU YANCHAO

LI MIN

Latest standardized assignees - inventors removed

SUZHOU HESU **SENSOR** SCIENCE & TECHNOLOGY

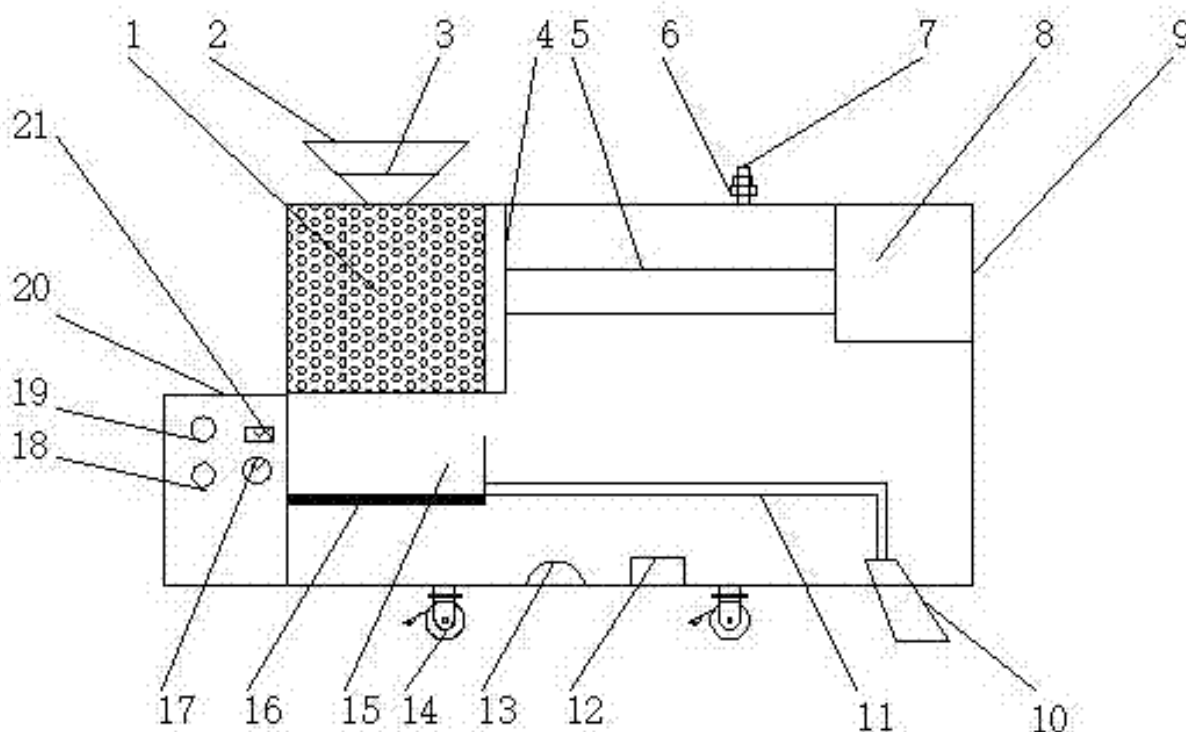
Family 38/100 - FAMPAT - ©Questel

Title

(CN105774012)

Oil squeezing robot

Images



Publication data including kind & date

CN105774012	A	2016-07-20	CN105774012
CN105774012	B	2018-05-25	CN105774012B



Abstract

(CN105774012)

The invention discloses an oil squeezing robot. The robot comprises an oil squeezing machine main body, a squeezing block, a material barrel, a power supply total switch, a feeding hopper, a power supply box and an oil receiving basin, wherein the feeding hopper is mounted on the upper side of the oil squeezing machine main body, a movable door is arranged on the upper side of the oil squeezing machine main body, a handle groove is arranged on the movable door, the material barrel is mounted on the upper side in the oil squeezing machine main body, the squeezing block is arranged on the right side of the material barrel, a hydraulic telescopic pole is arranged on the right side of the oil receiving basin, a hydraulic cylinder is mounted on the right side of the hydraulic telescopic rod and in the oil squeezing machine main body, the oil receiving basin is arranged on the lower side of the material barrel, an oil outlet pipe is mounted on the right side of the oil receiving basin, an oil outlet is arranged on the lower side of the oil outlet pipe, the power supply box is mounted on the left side of the oil squeezing machine main body, a power supply total switch is arranged on the power supply box, a

thermometer is arranged on the right side of the power supply total switch and a humidity meter is arranged on the lower side of the thermometer. A heating block is arranged on the lower side of the oil receiving basin to well evaporate water in the oil.

Inventors

THE INVENTOR HAS WAIVED THE RIGHT TO BE MENTIONED

Latest standardized assignees - inventors removed

MIANYANG HUIDA **GRAIN** & OIL

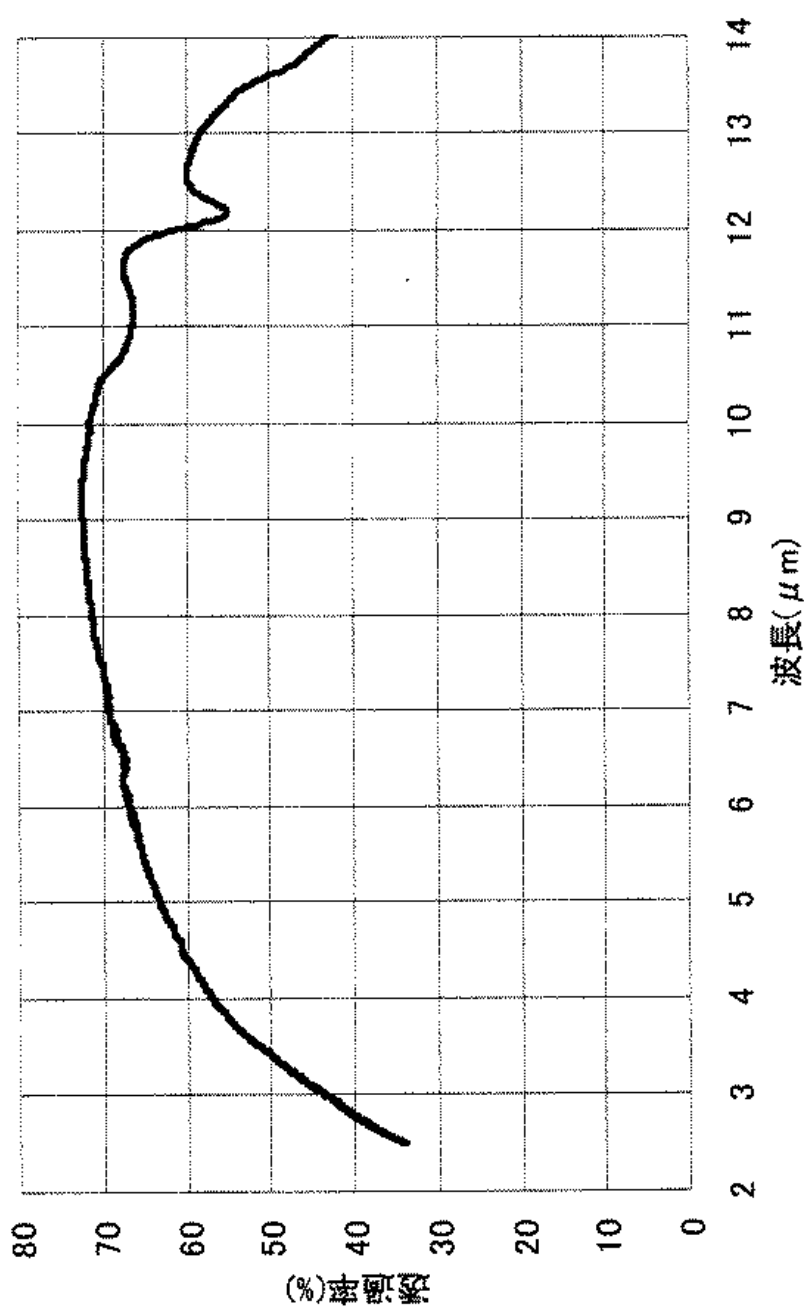
Family 39/100 - FAMPAT - ©Questel

Title

(JP2014129195)

Inorganic material for optical element

Images



Publication data including kind & date

JP5295421	B1	2013-06-21	JP5295421
JP2014129195	A	2014-07-10	JP2014129195

**Abstract**

(JP5295421)

PROBLEM TO BE SOLVED: To provide an inorganic material for an optical element and a component for an optical element having high infrared permeability, and a method for manufacturing the inorganic material for an optical element.

SOLUTION: In an inorganic material for an optical element which mainly comprises a compound comprising zinc and sulfur, an element ratio of sulfur to zinc, (S/Zn), is 0.80 or more and 0.95 or less. Preferably a cubic polycrystalline material represented by ZnS_{1-x} ($0 < x \leq 0.2$) is contained as a compound, and preferably the average crystal **grain** size of the cubic polycrystalline material is 0.5 μm or more and 20 μm or less. Preferably an amorphous material interposed between crystals of the cubic polycrystalline material is further contained as a compound.

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Inventors

Kazuo Shioriya

Kunihiro Yutaka

Shunji Mitsuishi

Yuji Tokudome

Nakagawa Norio

Takeshi Yamamura

Yoshikazu Matsumura

Latest standardized assignees - inventors removedJAPAN ULTRA HIGH **TEMPERATURE** MATERIALS RESEARCH CENTER

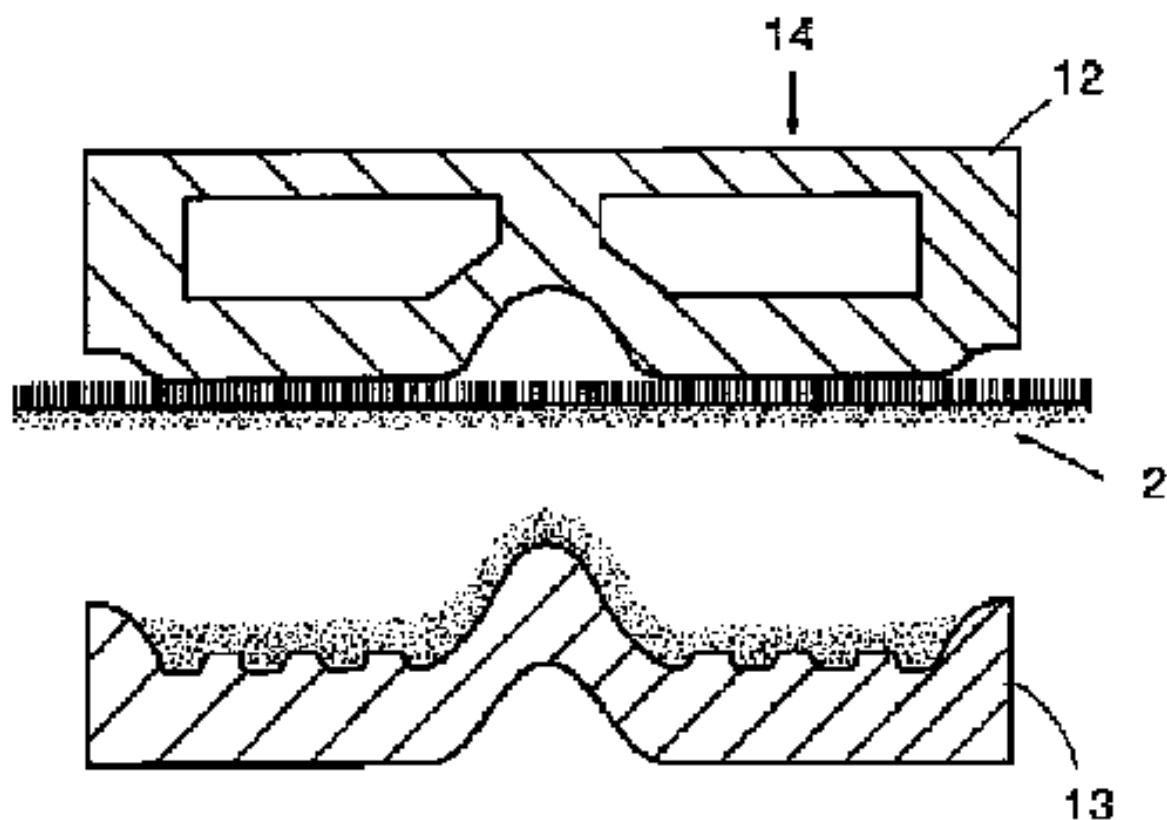
Family 40/100 - FAMPAT - ©Questel

Title

(JP10146854)

Integral forming method of automotive carpet having three dimensional shape

Images



Publication data including kind & date

JP10146854	A	1998-06-02	JP10146854
JP2905457	B2	1999-06-14	JP2905457



Abstract

(JP10146854)

PROBLEM TO BE SOLVED: To realize a desired three dimensional shape, on the rear surface of which a foam layer is formed, by a method wherein an expandable mixed liquid is applied on the rear surface of a carpet fiber composition and the inside surface of the lower mold of a forming **press** tool so as to bond both the surfaces together through a mold clamping. **SOLUTION:** An expandable mixed liquid is directly and nearly evenly applied to the coating surfaces of the lower mold 13 of a forming **press** tool 14 consisting of an upper mold 12 and the lower mold 13, on the insides of which a cavity

corresponding to a three dimensional shape is dividingly formed. In this case, either a spraying system or a pouring system is properly selected depending upon the uneven shape of the lower mold, a spread, a spreading area or the like. After the finish of the gasification reaction of a carpet fiber composition 2 and the expandable mixed liquid applied on the lower mold 13 and before the finish of their viscous flow state, the carpet fiber composition 2 is arranged in the **press** tool 14 so as to close the tool in order to bond both the surfaces of the respective expandable mixed liquids together.

Inventors

OGAWA TARO

GOTO FUMIO

Latest standardized assignees - inventors removedNAMBA **PRESS** WORKS

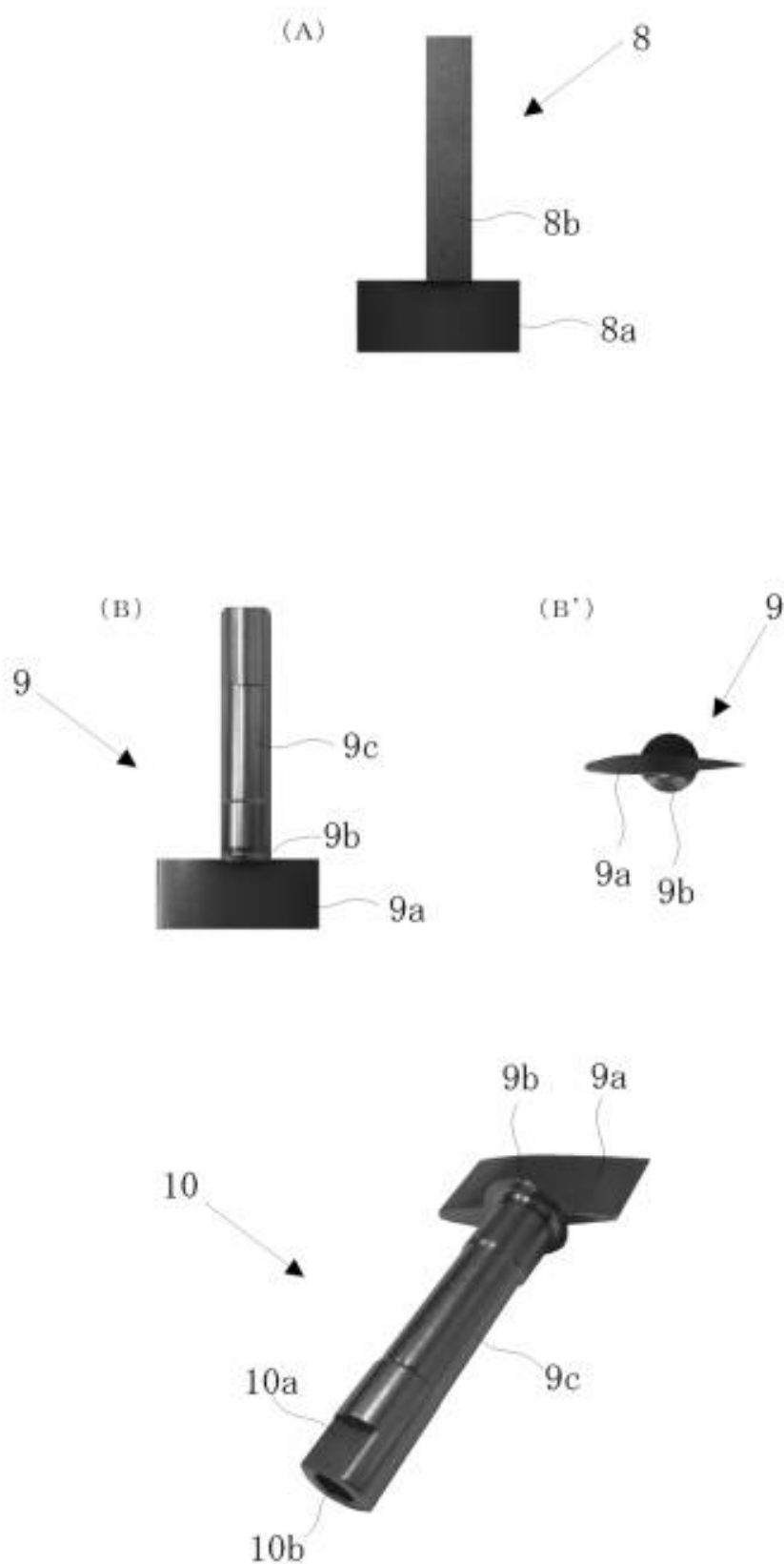
Family 41/100 - FAMPAT - ©Questel

Title

(JP2017109223)

Production method for metal product using new shearing/punching method

Images

**Publication data including kind & date**[JP2017109223](#)

A 2017-06-22

JP2017109223

[JP6499571](#)

B2 2019-04-10

JP6499571

**Abstract**

(JP2017109223)

PROBLEM TO BE SOLVED: To provide an accurate shearing/punching method for metallic materials bringing mass production into view, particularly a production method for metal products using a new shearing/punching method alternative to a prevailing fine blanking method, and further to provide the production method process-converted from high-energy processing such as a conventional cutting work or a water-jet cutting process to the whole **press** work.

SOLUTION: A production method for metal products using a new shearing/punching method different from an accurate punching method is characterized by: setting the clearance between the periphery of a punch for punching a metal plate and the inner periphery of a die to a micro-clearance of 0.5% or less of thickness in the metal plate; and molding a roughly-shaped material by performing a cooling heat removal at high-speed punching while binding the metal plate with a binding tool.

SELECTED DRAWING: Figure 9

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Inventors

KAWABATA NOBUYUKI

Nakamura Hijiide

Kyohei Miyajima

SHINOHARA MASAYUKI

Noohara

Hoshino Hisashi

YAMAMOTO AKIRA

Saeki studies

KATO SHIGEKI

YAMANAKA SUSUMU

Latest standardized assignees - inventors removed

SHINOHARA **PRESS** SERVICE

HIGH ENERGY ACCELERATOR RESEARCH ORGANIZATION

Family 42/100 - FAMPAT - ©Questel

Title

(EP-833550)

Circuit board with strain relief for connecting cable, process for manufacturing and connecting the same as well as its use

Images

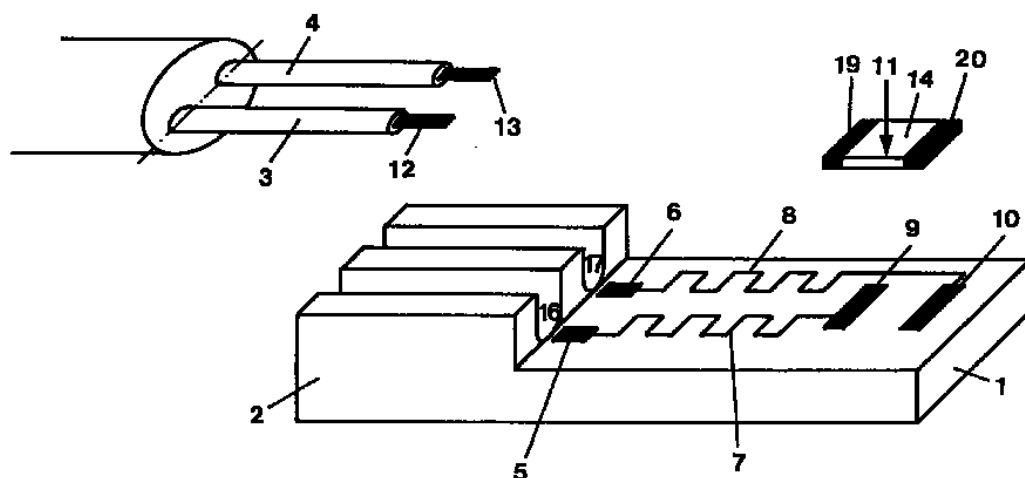


Fig. 1

EP0833550	A2	1998-04-01	EP-833550				
EP0833550	A3	1999-11-17	EP-833550				
DE19640058	A1	1998-04-02	DE19640058				
DE19640058	C2	1999-06-10	DE19640058				
JPH10112577	A	1998-04-28	JP10112577				
JP2926079	B2	1999-07-28	JP2926079				
CN1186411	A	1998-07-01	CN1186411				
BR9704915	A	1999-02-02	BR9704915				
BRPI9704915	A1	2003-10-14	BR199704915				

Abstract

(EP0833550)

The PCB has conducting tracks (7,8) at least in the region of the contact surfaces (5,6) each designed as a plane surface. At least one holding element (2) extends above this plane surface, for the reception of the encased cable ends (3,4). The holding element is designed as a cable lead-in with channel-type recesses (16,17) for the reception of the encased cable ends. The cross-section of the recesses is so selected, that the respective cable seen in cross section can be completely accepted, and each of the channel-type recesses is arranged with at least one conductor outgoing section, adjacent to a contact (5,6) of the conductor track (7,8). The PCB substrate and the holding element are designed together as a monolithic component.

Inventors

DAMASCHKE GERHARD

SCHLAG FRANK

WIENAND KARLHEINZ DR

Latest standardized assignees - inventors removed

HERAEUS **SENSOR** NITE

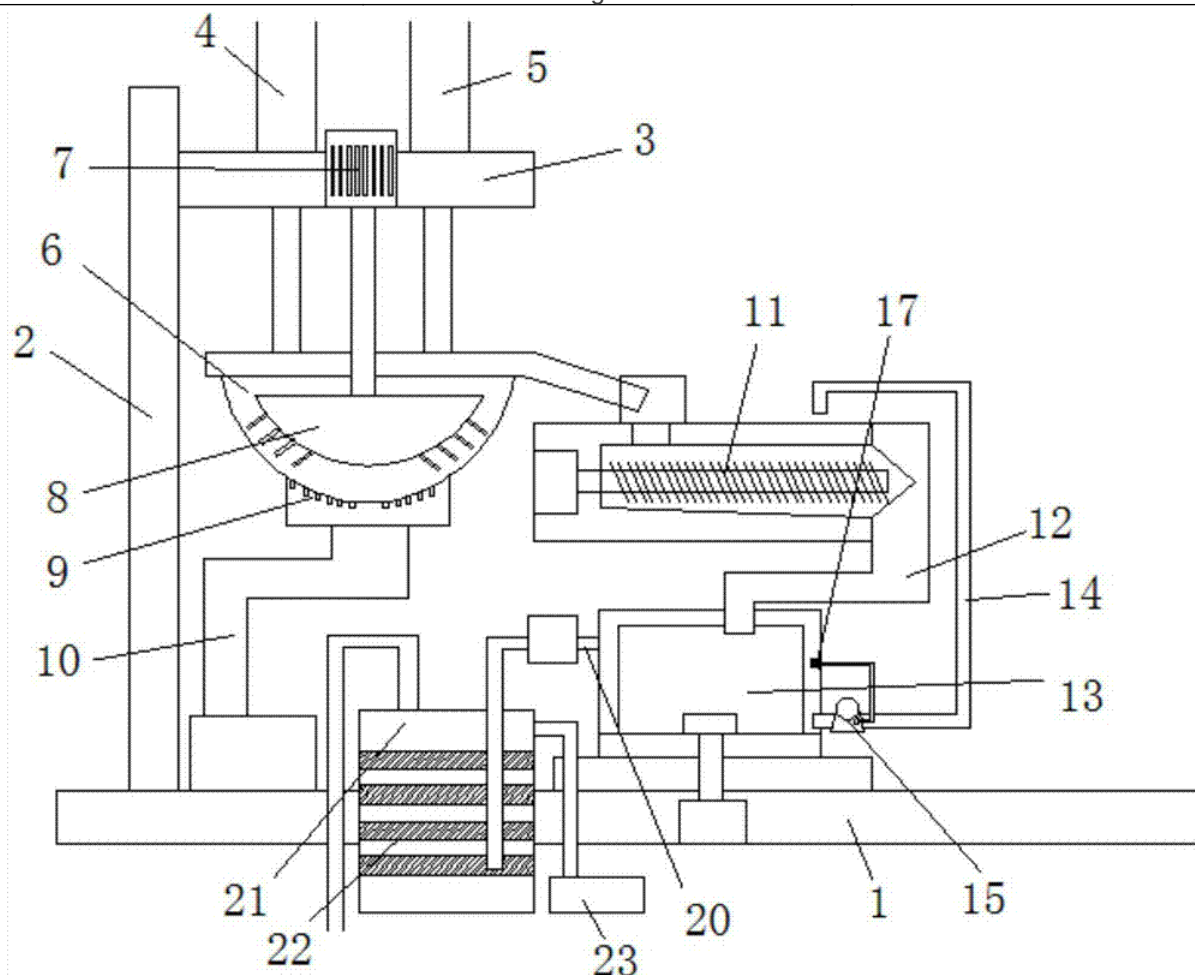
Family 43/100 - FAMPAT - ©Questel

Title

(CN107987953)

Sesame oil production cycle oil filtering device

Images

**Publication data including kind & date**

CN107987953

A 2018-05-04 CN107987953

**Abstract**

(CN107987953)

The invention discloses a sesame oil production cycle oil filtering device which comprises an engine base. The device is characterized in that the engine base is fixedly provided with a stand column on which a cross beam is fixedly arranged, the cross beam is fixedly provided with a left adjusting cylinder and a right adjusting cylinder, the lower ends of piston rods of the left adjusting cylinder and the right adjusting cylinder are respectively hinged with two ports of a stir-frying pot, two ends of the stir-frying pot can be used for realizing material pouring under the action of a left adjusting piston rod and a right adjusting piston rod, a motor is arranged between the left adjusting cylinder and the right adjusting cylinder, the lower end of a revolving shaft of the motor is connected with a stir-frying shovel, a slag discharging hole is arranged below the stir-frying pot and connected with a dust drawing pipeline, one side of the stir-frying pot is provided with a spiral squeezing pot, one side of the spiral squeezing pot is provided with an oil guiding pipeline, and the oil guiding pipeline is communicated with a spin-drying drum. The oil filtering device has a simple structure and high sesame stir-frying efficiency and is convenient for guiding out rapidly, and squeezed grease can be used for realizing cyclic squeezing under the control of a grease fiber **sensor**, so that the oil yield is improved.

Inventors

JIN RONGZHEN

JIN YONG

WANG FANGFU

Latest standardized assignees - inventors removedANHUI PROVINCE YINGSHANG COUNTY SANJIN **GRAIN** & OIL

Family 44/100 - FAMPAT - ©Questel

Title

(CN103937594)

Intelligent program control production process of small-squeezed refined peanut oil

Publication data including kind & date

CN103937594	A	2014-07-23	CN103937594
CN103937594	B	2015-09-09	CN103937594B

**Abstract**

(CN103937594)

The invention discloses an intelligent program control production process of small-squeezed refined peanut oil. The production process comprises the steps of selecting raw materials, cleaning the raw materials, performing shell and kernel separation, baking, removing red skin, crushing, softening, squeezing and filtering, wherein the process of cleaning the raw materials is controlled by an intelligent program control device. According to the production process disclosed by the invention, the shell and kernel separation treatment is performed on the raw materials through a treatment agent, the raw material resources are fully utilized, unsaturated fatty acids, vitamins and other nutrients in the peanut oil are well kept in the production process of the peanut oil, the nutritional health care value is high, and the production process can also realize intelligent program-controlled operation, thereby greatly saving human resources and improving the oil yield of the peanut oil.

Inventors

GAO GUANYONG

CHEN NING

Latest standardized assignees - inventors removed

SHANDONG JINSHENG **GRAIN** OIL

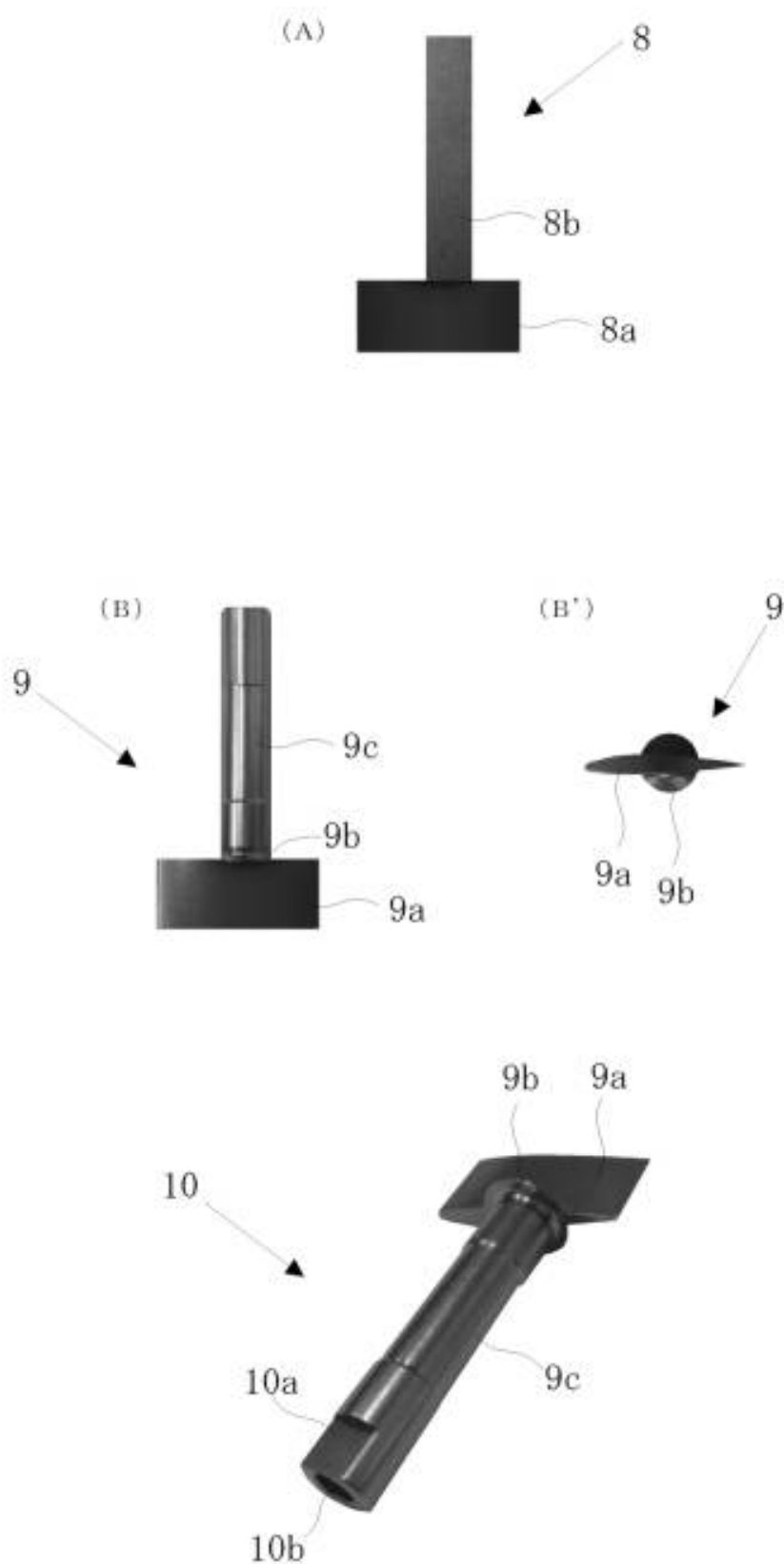
Family 45/100 - FAMPAT - ©Questel

Title

(JP2017109224)

Manufacturing method of metal product using new forging processing method

Images

**Publication data including kind & date**[JP2017109224](#)

A

2017-06-22

JP2017109224

**Abstract**

(JP2017109224)

PROBLEM TO BE SOLVED: To provide a manufacturing method of a metal product using a new forging processing method, concerning a forging processing method occupying an important position in plastic processing of a metal material, more precisely, which does not belonging to any of hot forging, warm forging and cold (room **temperature**) forging which are each conventional forging processing method.

SOLUTION: In a manufacturing method of a metal product using a new forging processing method, a preformed piece formed from a metal plate material is molded into a finished article by avoiding blue heat embrittlement by **temperature** control in a low **temperature** area of 200°C or lower which is different from a hot/warm/cold forging **temperature** area, and by heightening plastic fluidity jointly with servo control.

SELECTED DRAWING: Figure 9

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Inventors

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Saeki studies

KATO SHIGEKI

YAMANAKA SUSUMU

Latest standardized assignees - inventors removed

SHINOHARA **PRESS** SERVICE

HIGH ENERGY ACCELERATOR RESEARCH ORGANIZATION

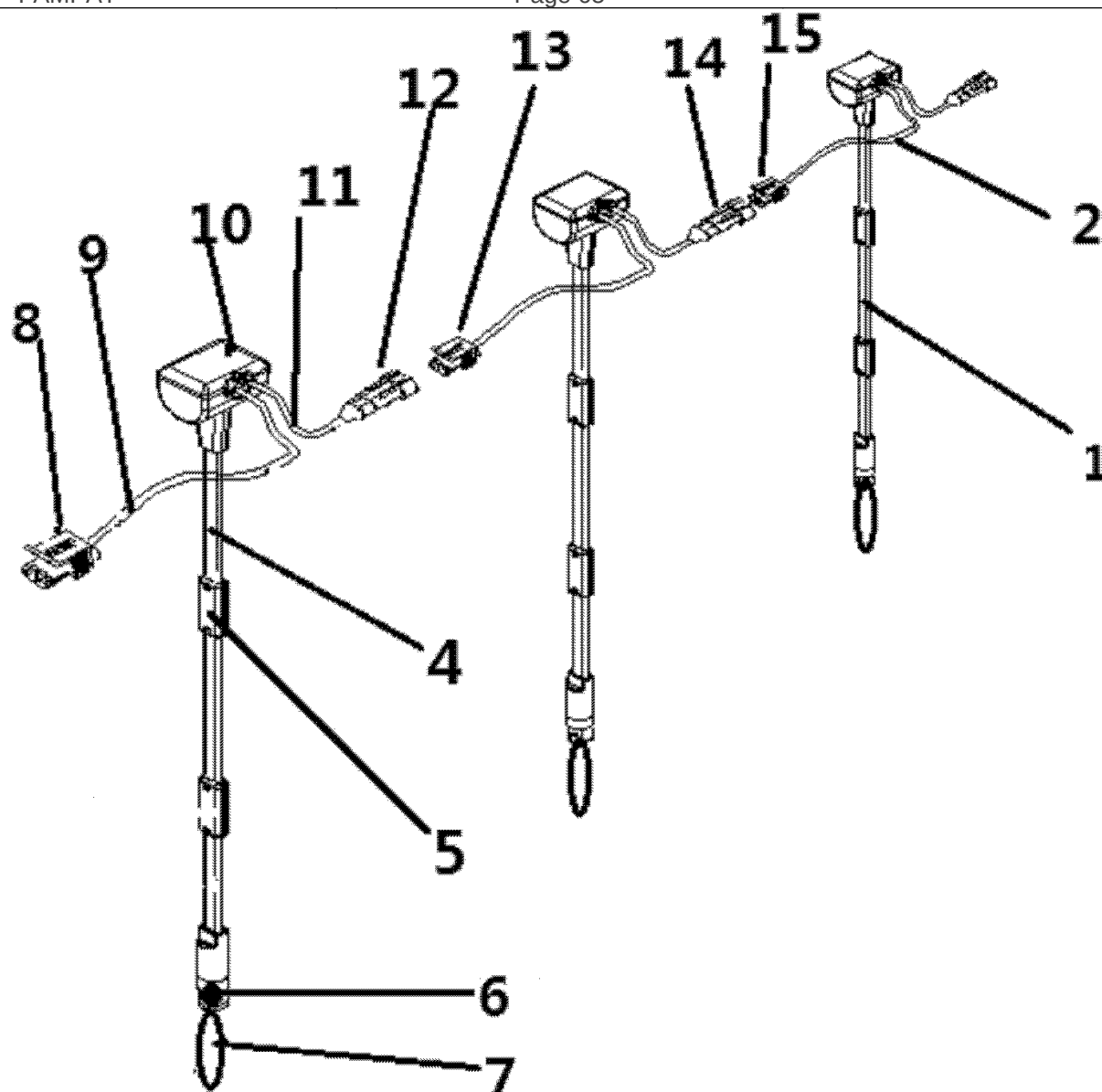
Family 46/100 - FAMPAT - ©Questel

Title

(CN202547799U)

Temperature measurement cable assembly of **grain** situation measurement and control system

Images



Publication data including kind & date

CN202547799

U 2012-11-21 CN202547799U



Abstract

(CN202547799)

Disclosed in the utility model is a **temperature** measurement cable assembly of a **grain** situation measurement and control system, wherein the **temperature** measurement cable assembly comprises a trunk wire (3), M columns of branch wires (2) and M*N **temperature** measurement cables (1). The **temperature** measurement cables (1) are formed by new **temperature** measurement leads (19), J encapsulation mechanisms and injection and compressing moulding bodies (70). The J encapsulation mechanisms are distributed on the new **temperature** measurement leads (19) and the injection and compressing moulding bodies (70) are arranged at the lower ends of the new **temperature** measurement leads (19). The upper ends of the **temperature** measurement cables (1) are fixedly connected with all the branch wires (2) and are distributed on all the branch wires (2). The branch wires (2) and the trunk wire (3) employ the new **temperature** measurement leads (19). The on-site **temperature** measurement leads (19) include No.1 steel wire leads (16), No.2 steel wire leads (17) and new insulating coatings (20). And the middle plate-shaped portions of the insulating coatings (20) enable torus-shaped insulating coatings surrounding the No.1 steel wire leads (16) and the No.2 steel wire leads (17) to be connected into one.

Inventors

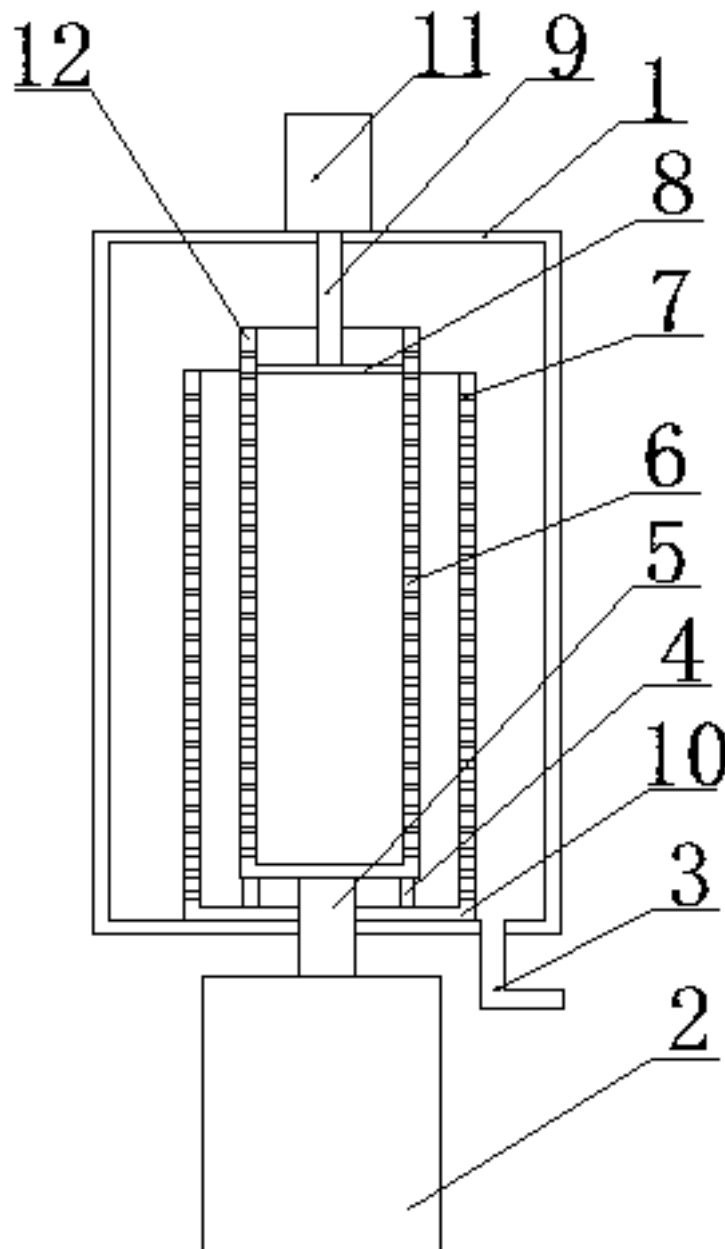
BU YULIANG

Family 47/100 - FAMPAT - ©Questel

Title

(CN105080732)

Pressing multistage centrifugal machine with automatic reminding function

Images**Publication data including kind & date**[CN105080732](#)

A 2015-11-25 CN105080732

**Abstract**

(CN105080732)

The invention discloses a pressing multistage centrifugal machine with an automatic reminding function. The pressing multistage centrifugal machine comprises a separating motor and a tank body. A second separating barrel is rotatably arranged at the inner bottom of the tank body, and a plurality of filtering holes are formed in the circumferential face of the second separating barrel; a first separating barrel is arranged in the second separating barrel, and filtering holes are formed in the circumferential face of the first separating barrel; a plurality of connecting blocks are arranged between the bottom of the first separating barrel and the bottom of the second separating barrel and fixedly connect the first separating barrel and the second separating barrel; an output shaft of the separating motor penetrates through the tank body and is fixedly connected with the first separating barrel and the second separating barrel; a liquid outlet pipe is arranged on the lower portion of the tank body; the diameters of the filtering holes in the first separating barrel are larger than those of the filtering holes in the second separating barrel; a cylinder is arranged at the upper end of the tank body, and an output shaft of the cylinder penetrates through the tank body and is connected with a pressing plate; the pressing plate is matched with

the inner wall of the first separating barrel. The pressing multistage centrifugal machine with the automatic reminding function can improve the work efficiency.

Inventors

GAO HUIYING

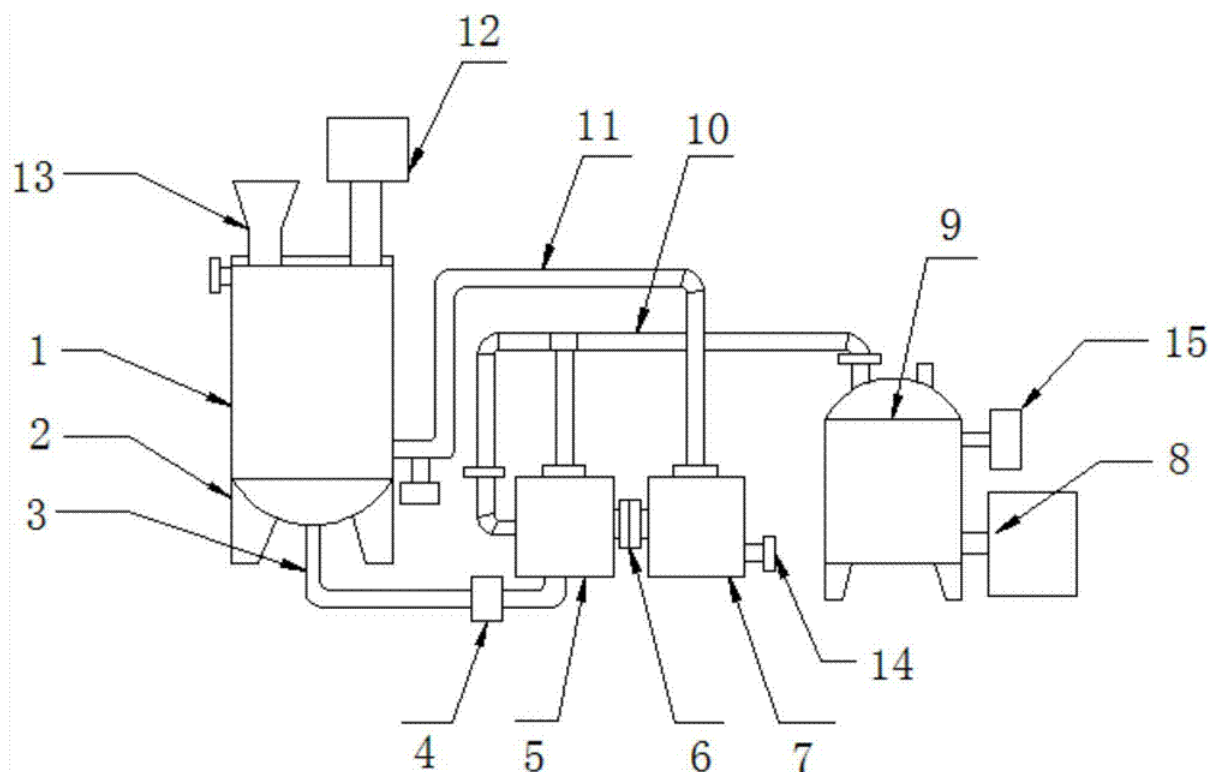
Latest standardized assignees - inventors removedCHENGDU XINJIN YINGXIAN **GRAIN** & OIL

Family 48/100 - FAMPAT - ©Questel

Title

(CN207330874U)

Giving off a strong fragrance oil workshop full automatization preparation equipment

Images**Publication data including kind & date**

CN207330874

U

2018-05-08

CN207330874U

**Abstract**

(CN207330874)

The utility model discloses a giving off a strong fragrance oil workshop full automatization preparation equipment, including pressing oil tank body, returning oil pipe, crude oil pool, oil foot case, drying chamber and dry inner chamber, the top one side joint that presses oil tank body has feed hopper, the brine tank has been cup jointed near one side of feed hopper in the top of pressing oil tank body, **press** oil tank body's bottom fixedly connected with supporting legs, the bottom middle part position joint that presses oil tank body has back oil pipe, go back to oil pipe's one end joint one side at crude oil pool, the one side of pressing oil tank body is led oil pipe through the second and has been cup jointed the oil foot case, one side bottom joint of oil foot case has dregs of fatexport. The utility model discloses it is rational in infrastructure, simple to use for the preparation of giving off a strong fragrance oil is effectual, is equipped with the cooling tank through the one end at the drying chamber, is connected with the vacuum pump in the one end of drying chamber, and the vacuum pump can be taken the air of inside out, improves dry efficiency.

Inventors

WU HUIXIANG

Latest standardized assignees - inventors removedYIHAI **GRAIN** & OIL INDUSTRY

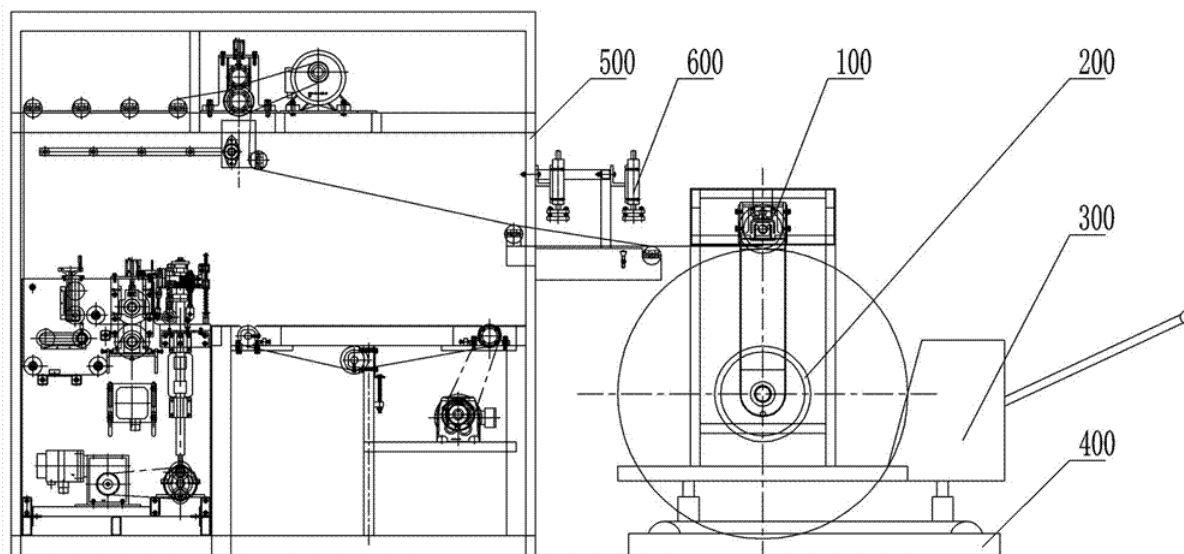
Family 49/100 - FAMPAT - ©Questel

Title

(CN206827765U)

Whole roll of bag making device of braided bag

Images



Publication data including kind & date

CN206827765

U

2018-01-02

CN206827765U



Abstract

(CN206827765)

The utility model relates to a whole roll of bag making device of braided bag, including the automatic device of rolling up, automatic bagging apparatus and the automatic end device that stitches cut, scroll the mechanism and establish in the automatic bagging apparatus the place ahead of cutting, for automatically, cut the bagging apparatus feed, automatically, it will to cut the bagging apparatus the strip braided bag that the device of rolling up was supplied with cuts off and transmits extremely automatically, it stitches the end to stitch end device. The utility model discloses whole rollof bag making device of braided bag combines together with automatic sack filling machine, and the rectangular tube -shape braided bag on the material is rolled up passes through the utility model discloses it carries extremely to cut the bag back the bag framing mechanism department of automatic sack filling machine has solved present utilization and has hung the multiple shortcoming that the bag manipulator supplied the bag, has realized continuous confession bag to the precision that improves the speed that supplies the bag and supply the bag provides prerequisite for the messenger irritates the full - automatic operation steady in a long -term of packet system implementation.

Inventors

PENG ZHENG

Latest standardized assignees - inventors removed

ZHENGZHOU JINGU **GRAIN** MECHANICAL ENGINEERING EQUIPMENT

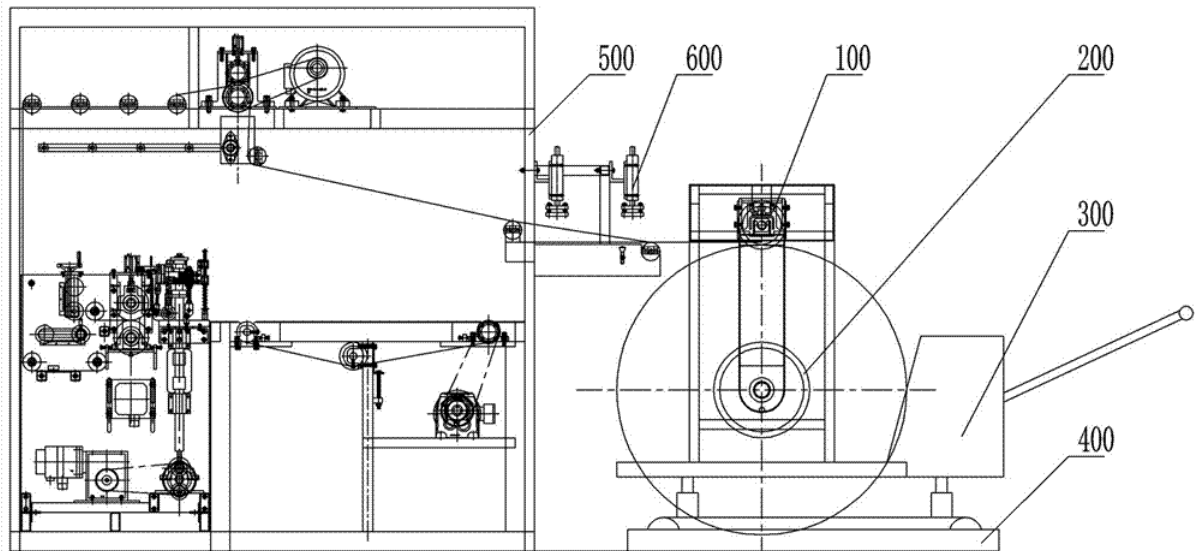
Family 50/100 - FAMPAT - ©Questel

Title

(CN108792744)

Device of making whole roll of woven bags

Images

**Publication data including kind & date**[CN108792744](#)

A 2018-11-13 CN108792744

**Abstract**

(CN108792744)

The invention relates to a device of making a whole roll of woven bags. The device comprises an automatic roll feeding device, an automatic bag cutting device and an automatic bottom sewing device. The automatic roll feeding device is arranged in front of the automatic bag cutting device to provide materials to the automatic bag cutting device; and the automatic bag cutting device cuts off strip-type woven bags supplied by the automatic roll feeding device and conveys the strip-type woven bags to the automatic bottom sewing device to sew the bottom. The device of making the whole roll of wovenbags provided by the invention is combined with an automatic bag filling machine and the strip-type tubular woven bags on a material roll are cut and conveyed to a bag supporting mechanism of the automatic bag filling machine, so that various defects caused by bag supply by means of a bag hanging manipulator in the prior art are overcome, bags are supplied continuously, and the bag supply speed and the bag supply precision are improved, and therefore, a precondition is provided for a bag filling system to achieve full-automatic long-term stable operation.

Inventors

PENG ZHENG

Latest standardized assignees - inventors removedZHENGZHOU JINGU **GRAIN** MECHANICAL ENGINEERING EQUIPMENT

Family 51/100 - FAMPAT - ©Questel

Title

(EP2995395)

Surface **grain** refining hot-shearing method and product of surface **grain** refining hot-shearing**Images**

IN10182/DELNP/2015	A	2016-01-29	IN2015DN10182				
MX2015015170	A	2016-06-10	MX2015015170				
TH159544	A	2017-01-23	TH-159544				
BR112015027819	A1	2017-06-20	BR112015027819				
BR112015027819	A2	2018-11-13	BR112015027819				
CA2910862	A1	2014-11-13	CA2910862				
CA2910862	C	2018-06-26	CA2910862				
TW201506167	A	2015-02-16	TW201506167				
TW1568857	B	2017-02-01	TW1568857				
CN105163880	A	2015-12-16	CN105163880				
CN105163880	B	2017-10-13	CN105163880B				
KR20170143003	A	2017-12-28	KR20170143003				
KR101833191	B1	2018-02-27	KR101833191				
ES2709206	T3	2019-04-15	ES2709206				

Abstract

(EP2995395)

Provided is a surface layer **grain** refining hot-shearing method including: heating and keeping a steel sheet in a **temperature** range of from Ac3 to 1400°C to austenitize the steel sheet; subsequently shearing the steel sheet in a state in which the steel sheet is placed on a die; and quenching by rapidly cooling the sheared steel sheet, wherein a start **temperature** of the shearing is set to be a **temperature** (°C) obtained by adding a **temperature** of from 30°C to 140°C to a previously measured Ar3 of the steel sheet.

Inventors

MATSUNO TAKASHI

SEKITO YOSHIHITO

SUZUKI TAMAKI

KAWASAKI KAORU

SETO ATSUSHI

Latest standardized assignees - inventors removed

NIPPON STEEL

Family 52/100 - FAMPAT - ©Questel

Title

(EP-225392)

Resin-bonded magnetic composition and process for producing magnetic molding therefrom

Images

添加量

EP0225392	A1	1987-06-16	EP-225392
EP0225392	A4	1989-11-07	EP-225392
EP0225392	B1	1992-02-19	EP-225392
WO86/07489	A1	1986-12-18	WO8607489
US4808326	A	1989-02-28	US4808326
DE3683929	D1	1992-03-26	DE3683929



(EP0225392)

A magnetic composition to be used as a magnetic core for a transformer or for high-frequency welding of a laminated tube and a process for producing a magnetic molding from the magnetic composition. The magnetic composition comprises 80 to 95 wt% of ferromagnetic powder, 5 to 20 wt% of highly heat-resistant thermosetting resin powder, and 0.1 to 1 wt% of a metal chelate compound. All of these powders are mixed together and molded under heat and pressure to produce a magnetic molding. The composition enables molding of materials of complicated form at low temperatures, and the

obtained moldings have excellent heat resistance, mechanical strength, mechanical workability, and initial magnetic permeability.

Inventors

TANINO, KATSUMI 268, FUTATSUKA

NAKAZAWA, YUKIO 458-3, KAMIBUKURO

KIZAKI, TAKAO 18-8, KAMIAKAE-MACHI 1-CHOME

Latest standardized assignees - inventors removed

TAKEUCHI **PRESS** INDUSTRIES

TOYAMA PREFECTURE

Family 53/100 - FAMPAT - ©Questel

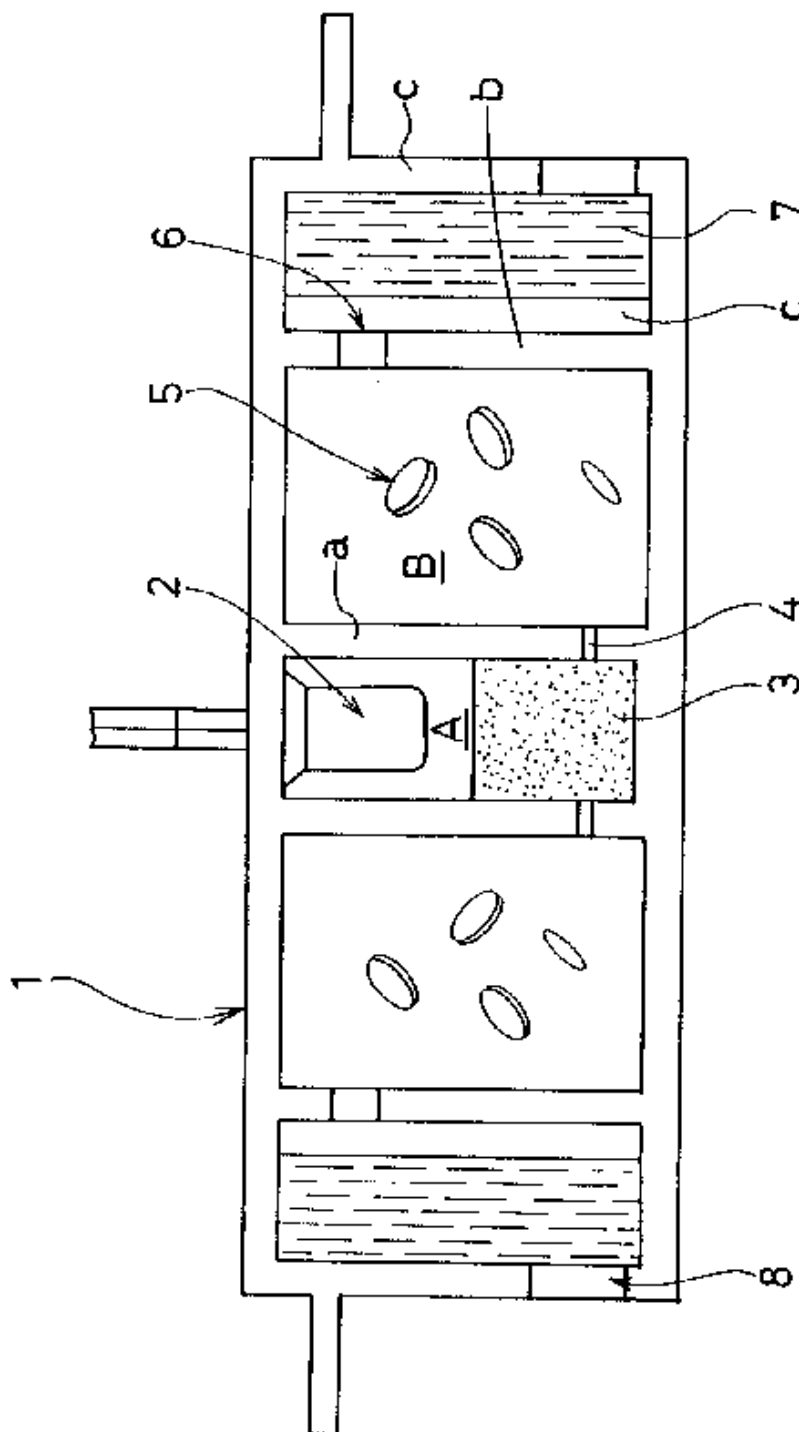
Title

(WO9705087)

Airbag explosive composition and process for producing said composition

Images

Fig. 1

**Publication data including kind & date**

WO97/05087	A1	1997-02-13	WO9705087
US6033500	A	2000-03-07	US6033500
DE19681514	T1	1998-12-03	DE19681514T
DE19681514	B4	2006-04-27	DE19681514
KR19990035956	A	1999-05-25	KR19990035956
KR100253750	B1	2000-04-15	KR100253750

**Abstract**

(WO97/05087)

An airbag explosive composition containing a fuel ingredient, an oxidizing agent, and a binder for them, wherein the binder is a hydrotalcite represented by the following general formula (1): $[M^{2+}_{1-x}M^{3+}_x(OH)_2]^{x+}[A^{n-}]_{x/n} \cdot nH_2O$, where M^{2+} is a divalent metal ion, M^{3+} is a trivalent metal ion, A^{n-} is an anion, and n is a positive integer.

wherein M<2+> represents a divalent metal such as Mg<2+>, Mn<2+>, Fe<2+>, Co<2+>, Ni<2+>, Cu<2+> or Zn<2+>; M<3+> represents a trivalent metal such as Al<3+>, Fe<3+>, Cr<3+>, Co<3+> or In<3+>; A<n-> represents an n-valent anion such as OH<->, F<->, Cl<->, NO₃<->, CO₃<2->, SO₄<2->, Fe(CN)₆<3->, CH₃COO<->, oxalate or salicylate; and $0 < x \leq 0.33$.

Inventors

ITO YUJI

SATO EISHI

TANAKA AKIHIKO

IWASAKI MAKOTO

IKEDA KENJIRO

OISHI ERI

MINOGUCHI RYO

YOSHIKAWA EIICHIRO

KUROIWA AKIHIKO

Latest standardized assignees - inventors removed

NIPPON KAYAKU

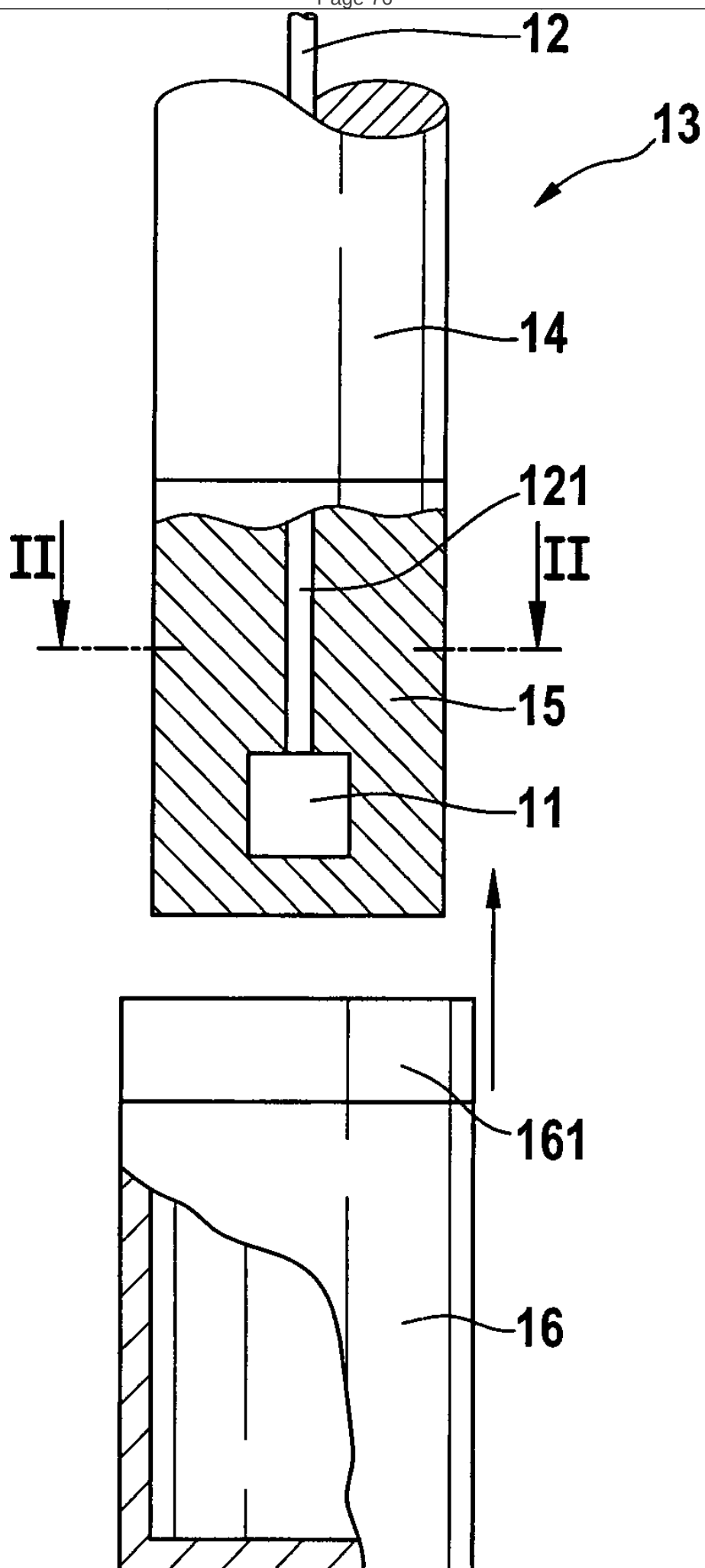
Family 54/100 - FAMPAT - ©Questel

Title

(DE102010002806)

Sensor e.g. **temperature sensor**, for detecting physical property i.e. **temperature**, of exhaust gas in exhaust system of internal combustion engine, has body containing **press** granulate injected transverse to longitudinal extension of conductor

Images



Publication data including kind & date[DE102010002806](#)

A1 2011-09-15

DE102010002806

**Abstract**

(DE102010002806)

The **sensor** has a sensing element (11) i.e. negative **temperature** coefficient resistor, fastened to an electrical conductor (12) enclosed by an isolating cladding (14). An electrical insulating body (15) encloses the sensing element and portions (121) of the conductor adjacent to the sensing element. The body contains a **press** granulate injected transverse to a longitudinal extension of the conductor. The granulate contains aluminum oxide or alpha alumina with **grain** size distribution between 0 and 6 micrometer or a mixture of tabular and reactive alumina and manganese- and/or cerium oxide. An independent claim is also included for a method for manufacturing a **sensor**.

Inventors

PIWONSKI MICHAEL

ROSENLAND MARC

Latest standardized assignees - inventors removed

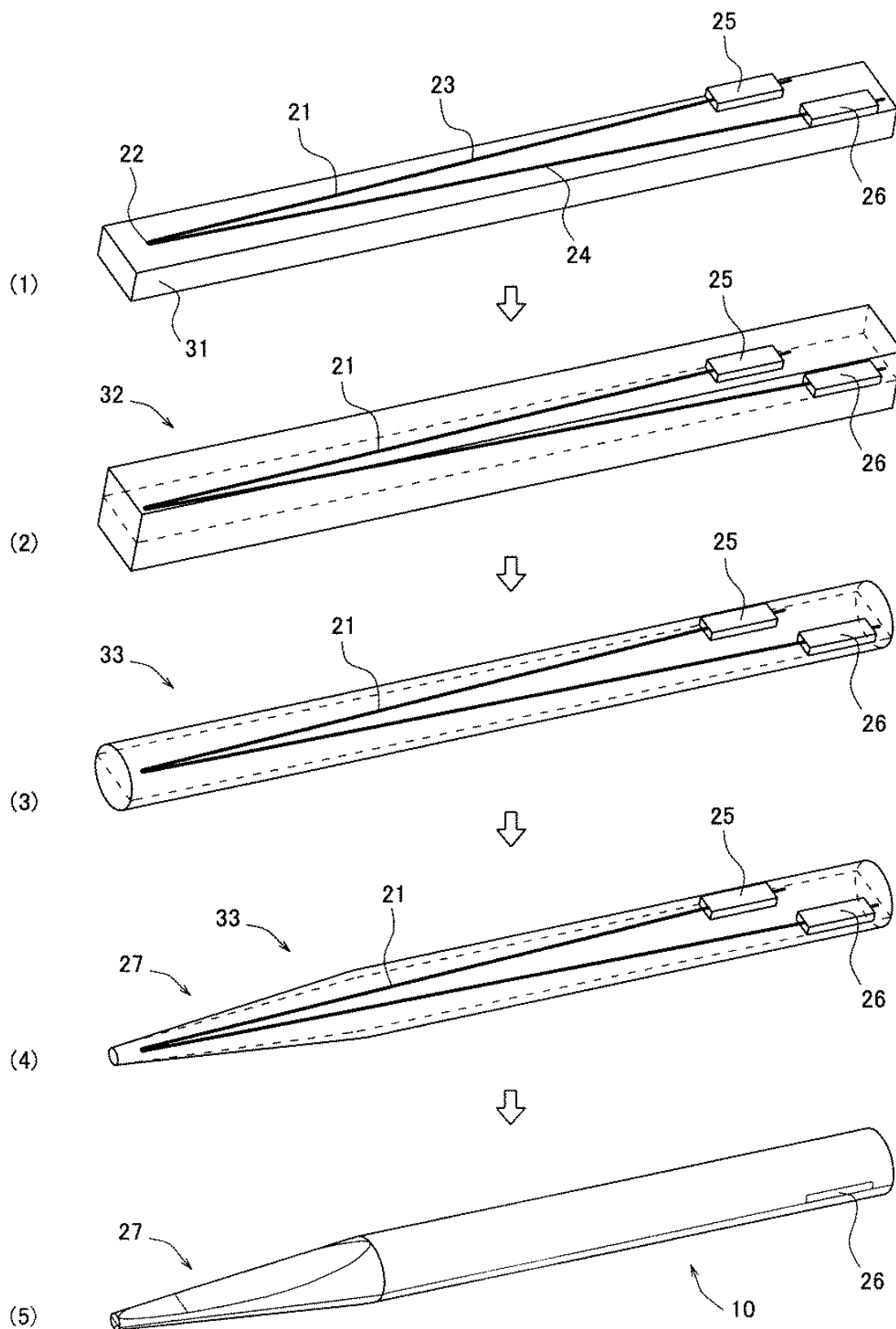
ROBERT BOSCH

Family 55/100 - FAMPAT - ©Questel

Title

(JP2007132754)

Temperature sensor element and method of manufacturing **temperature sensor** element**Images**



Publication data including kind & date

[JP2007132754](#)

A 2007-05-31 JP2007132754

[JP4536642](#)

B2 2010-06-25 JP4536642



Abstract

(JP2007132754)

PROBLEM TO BE SOLVED: To provide a **temperature sensor** element that has high responsiveness to **temperature** detection and high durability, and a manufacturing method of such a **temperature sensor**.

SOLUTION: The **temperature sensor** element 10 has an insulating ceramic substrate 20 that has a short heat conduction

route leading from a measured object to a **temperature** sensitive end 22 of a thermocouple 21 and has high density. The heat conduction from the measured object to the **temperature** sensitive end 22 of the thermocouple 21 is increased, and hence the responsiveness to **temperature** detection is increased. In the **temperature sensor** element 10, the thermocouple 21 does not directly come into contact with the measured object (exhaust gas), so that corrosion and material degradation of the thermocouple 21 hardly occur and the durability is high. The **temperature sensor** element 10 has high responsiveness to **temperature** detection and high durability.

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Inventors

HOTTA NOBUYUKI

OBUYASHI KAZUE

Latest standardized assignees - inventors removed

NGK SPARK PLUG

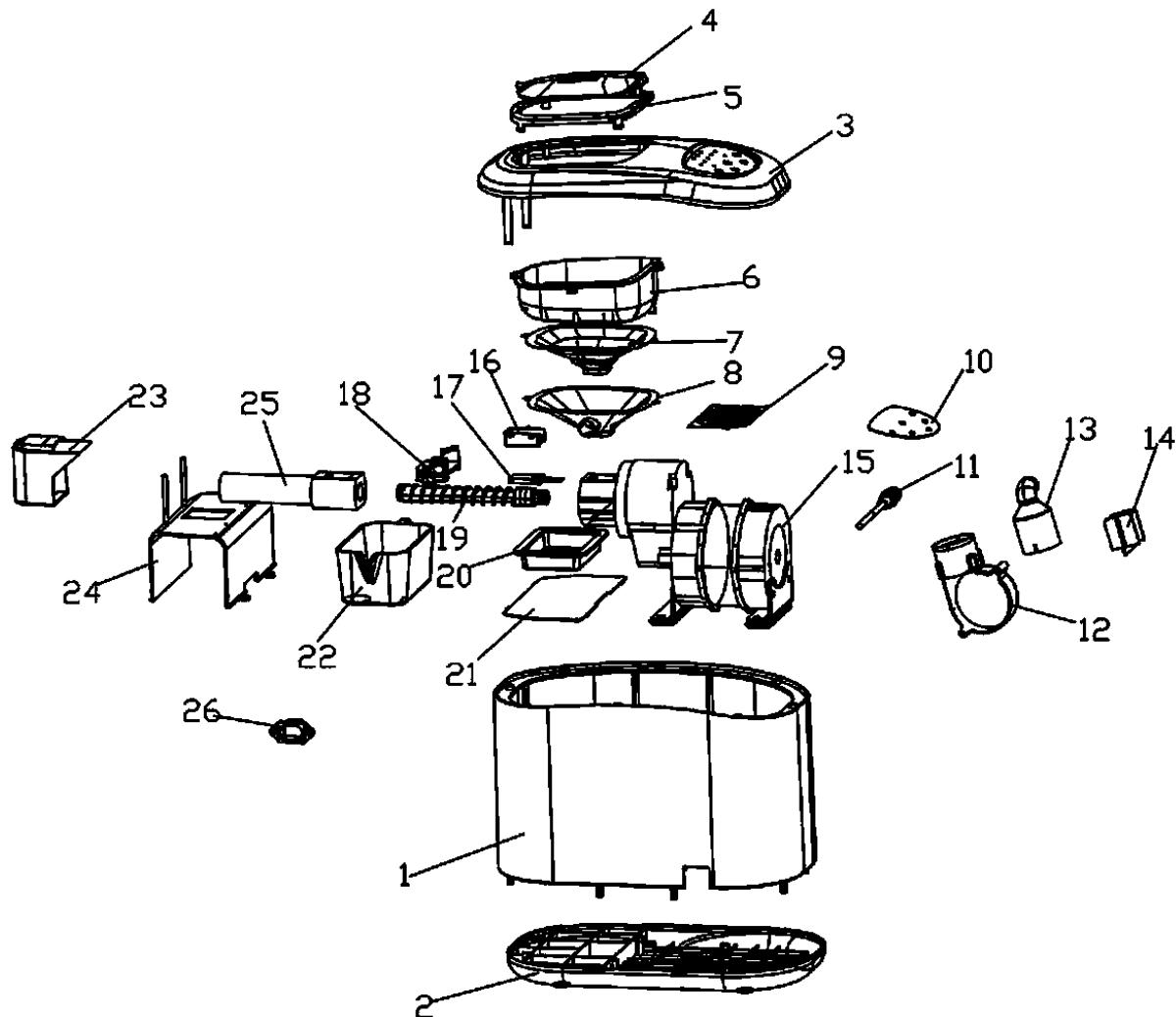
Family 56/100 - FAMPAT - ©Questel

Title

(CN203919772U)

Small-sized constant-**temperature** domestic oil **press**

Images



Publication data including kind & date

CN203919772

U

2014-11-05

CN203919772U



Abstract

(CN203919772)

The utility model discloses a small-sized constant-**temperature** domestic oil **press**. The small-sized constant-**temperature** domestic oil **press** comprises a shell and an oil pressing component, wherein the shell has a heat preservation function, the

oil pressing component is arranged at the inner part of the shell, the oil pressing component comprises an electric motor with a speed reducer, a pressing chamber and an oil pressing screw rod, the inner part of the shell is also provided with a constant-temperature control system, the constant-temperature control system consists of a preheating component which is used for blowing hot air, a heating component which is used for supplementing heat and a temperature sensor which is arranged on a control circuit board, a hot air circulating passage is formed at the inner part of the preheating component, and the heating component is arranged on the surface of the pressing chamber and is tightly attached to the pressing chamber. The constant-temperature control system is additionally arranged, a preheating function and a heating function are simultaneously added, the constant temperature in the small-sized constant-temperature domestic oil press is ensured, the quality of oil can be ensured, the consistency of the oil also can be ensured, and the constant-temperature control system is a key factor for assuring the quality and the quantity during an oil pressing process; meanwhile, temperature difference control can be carried out, the temperature sensor does not need to get close to the pressing chamber, and the fluctuation error caused because a heating plate is tightly attached to the pressing chamber can be successfully avoided.

Inventors

HUANG AIMIN

LI XUPENG

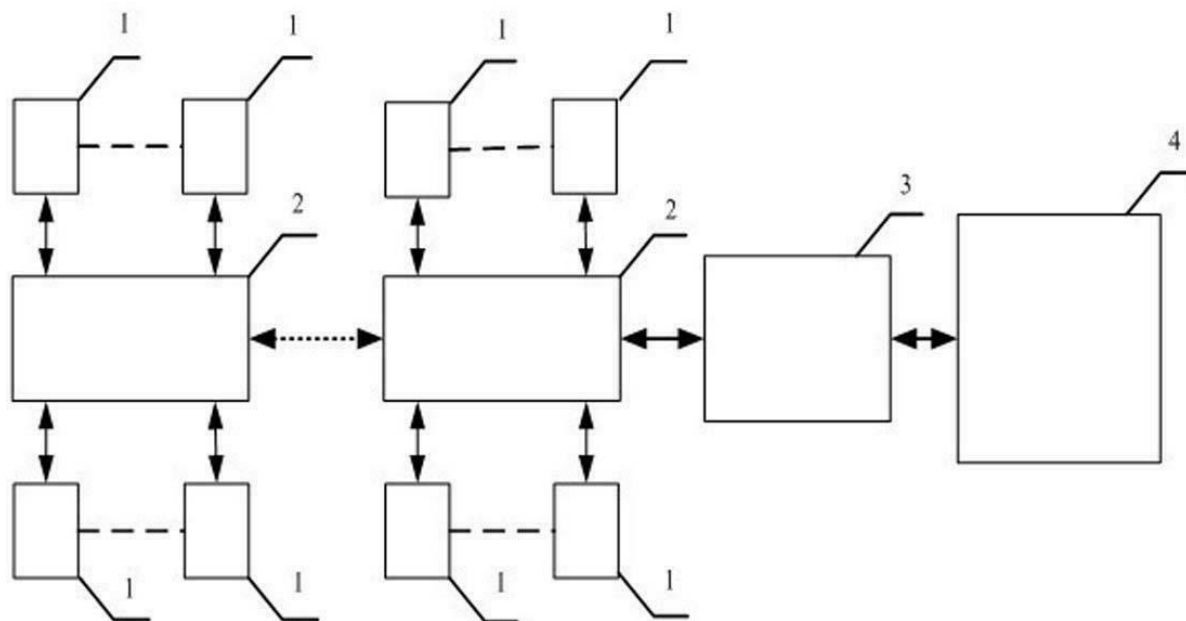
Family 57/100 - FAMPAT - ©Questel

Title

(CN102486389)

Grain bin temperature and humidity measuring device of wireless sensor network

Images



Publication data including kind & date

CN102486389

A 2012-06-06 CN102486389



Abstract

(CN102486389)

The invention relates to a grain bin temperature and humidity measuring device of a wireless sensor network. The grain bin temperature and humidity measuring device comprises a wireless sensor node system and a concentrator system, wherein the concentrator system is connected with an upper computer, the wireless sensor node system collects temperature and humidity information and then sends the temperature and humidity information to the concentrator system through a radio-frequency circuit, the concentrator system receives the information through the radio-frequency circuit, and stores the information on the periphery of a memory; and the concentrator system and the upper computer carries out transmission through an RS232 serial communication mode, and after the temperature and humidity information is transferred to the upper computer, a series of functions such as storage, data processing, display, warning and the like can be realized.

through software. The system reconfigurability is strong, the cost is low, the damage of a single node does not influence the transmission and acquisition of the entire network, and an autoalarm function is achieved; and the wireless sensor network which is accurate in monitoring and is flexible and convenient can be used for carrying out temperature and humidity monitoring on a grain bin.

Inventors

YU YANG

TIAN YULIN

YUAN MINGBO

Latest standardized assignees - inventors removed

SHENYANG LIGONG UNIVERSITY

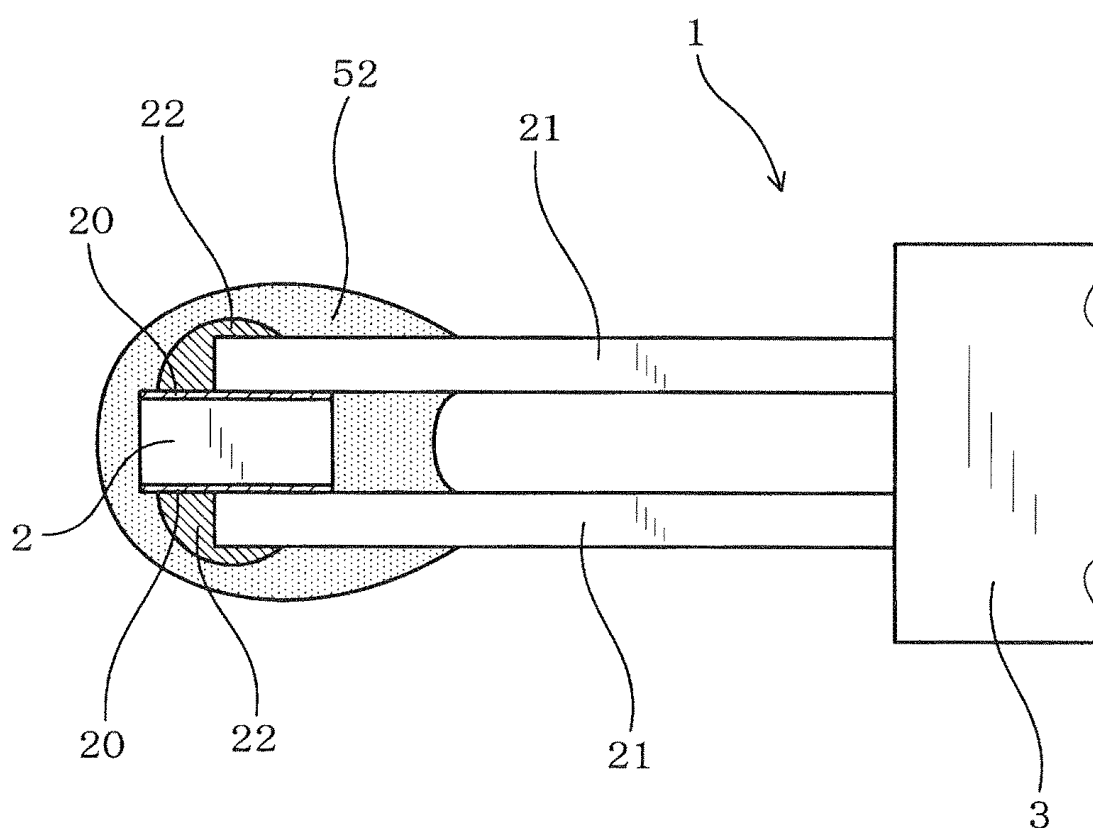
Family 58/100 - FAMPAT - ©Questel

Title

(WO2011136193)

Temperature sensor comprising temperature sensing element

Images



Publication data including kind & date

WO2011/136193	A1	2011-11-03	WO2011136193
US20130223479	A1	2013-08-29	US20130223479
US9714869	B2	2017-07-25	US9714869
DE112011101480	T5	2013-05-29	DE112011101480
DE112011101480	B4	2018-11-15	DE112011101480
JP2011247876	A	2011-12-08	JP2011247876
JP5304822	B2	2013-07-05	JP5304822
CN102869966	A	2013-01-09	CN102869966
CN102869966	B	2015-02-11	CN102869966B



Abstract

(WO2011/136193)

Disclosed is a **temperature sensor** (1) which comprises: a **temperature** sensing element (2) that is formed of a low thermal expansion ceramic which has a linear thermal expansion coefficient of from $3 \times 10^{-6}/^{\circ}\text{C}$ to $5 \times 10^{-6}/^{\circ}\text{C}$ and changes in the electrical characteristics with **temperature**; a pair of electrode films (20) that are provided on the surface of the **temperature** sensing element (2); and a pair of lead wires (21) that are bonded to the electrode films (20) and have a linear thermal expansion coefficient of $15 \times 10^{-6}/^{\circ}\text{C}$ or less. The **temperature sensor** (1) is characterized in that when the linear thermal expansion coefficients of the **temperature** sensing element (2), the electrode films (20) and the lead wires (21) are respectively represented by T_a , T_b and T_d , the relation of $T_a = T_b = T_d$ is satisfied.

Inventors

SATOU MOTOKI
HORI TSUNENOBU
KUZUOKA KAORU
OGAWA CHIAKI

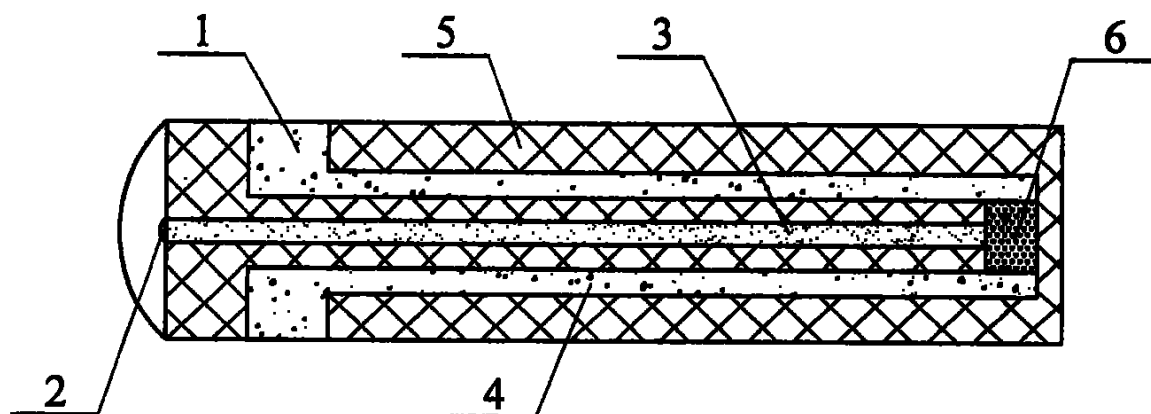
Latest standardized assignees - inventors removed

DENSO

Family 59/100 - FAMPAT - ©Questel

Title

(CN100343639C)

Heterogeneous ceramic **temperature sensor** and its preparing method**Images****Publication data including kind & date**

CN1749715	A	2006-03-22	CN1749715
CN100343639	C	2007-10-17	CN100343639C

**Abstract**

(CN1749715)

The present invention relates to **sensor** and its preparation process. The heterogeneous ceramic **temperature sensor** has positive electrode located in the circle center of the **sensor** coated with insulator, mixed connector located in the right end of the **sensor** and connected to the positive electrode, and negative electrode sandwiched inside the insulator and connected to the mixed connector. The preparation process includes the step 1 to determine the compounding proportion and **grain** size of the heterogeneous ceramic material for the positive electrode, the negative electrode, the insulator and the mixed connector; and the step 2 to mix the ceramic material with adhesive, cold isostatic pressing to form, and high **temperature** sintering to obtain the heterogeneous ceramic **temperature sensor**. The present invention has the features of small size, fast **temperature** response and high heat stability.

Inventors

SHAO WENZHU
CUI YUSHENG

ZHEN LIANG

FENG LICHAO

Latest standardized assignees - inventors removed

HARBIN INSTITUTE OF TECHNOLOGY

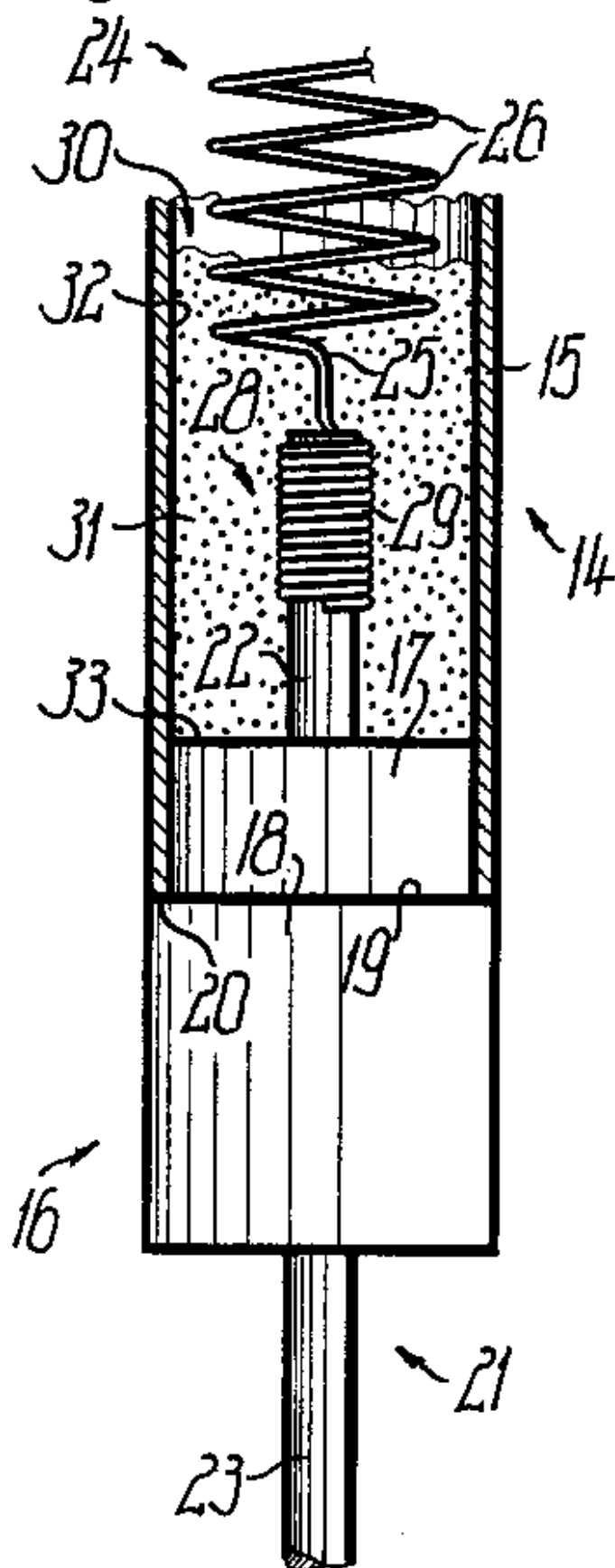
Family 60/100 - FAMPAT - ©Questel

Title

(EP-498386)

Temperature sensor and method of making it

Images

Fig. 2

Publication data including kind & date

EP0498386	A1	1992-08-12	EP-498386
EP0498386	B1	1995-12-20	EP-498386
US5309133	A	1994-05-03	US5309133
DE4103642	A1	1992-08-13	DE4103642
DE59204712	D1	1996-02-01	DE59204712
JPH0593656	A	1993-04-16	JP05093656
AT131931	T	1996-01-15	ATE131931
ES2081507	T3	1996-03-16	ES2081507

**Abstract**

(EP0498386)

A **temperature sensor** is assembled like a pipe heating body from a metallic pipe jacket (15) with an internal resistance wire coil (26) embedded in an insulating mass (31) and also closure pieces (16) with electrical connector elements (23), so that a very simple, robust and high-**temperature**-resistant **temperature sensor** results, with a measuring range of up to e.g. about 750 DEG C. The jacket of the **temperature sensor** can be earthed. A measurement current in the mA range at a measurement voltage in the mV range is expediently provided for the operation of the **temperature sensor**, the **temperature**-dependent changes of the current being conditioned by means of an electronic amplifier.

Inventors

BERGER SIEGBERT

BRENNENSTUHL VOLKER

GOESSLER GERHARD

MOHR HANS

SCHILLING WILFRIED

SCHWACKENHOFER JUERGEN

WILDE EUGEN

Latest standardized assignees - inventors removed

EGO BLANC & FISCHER

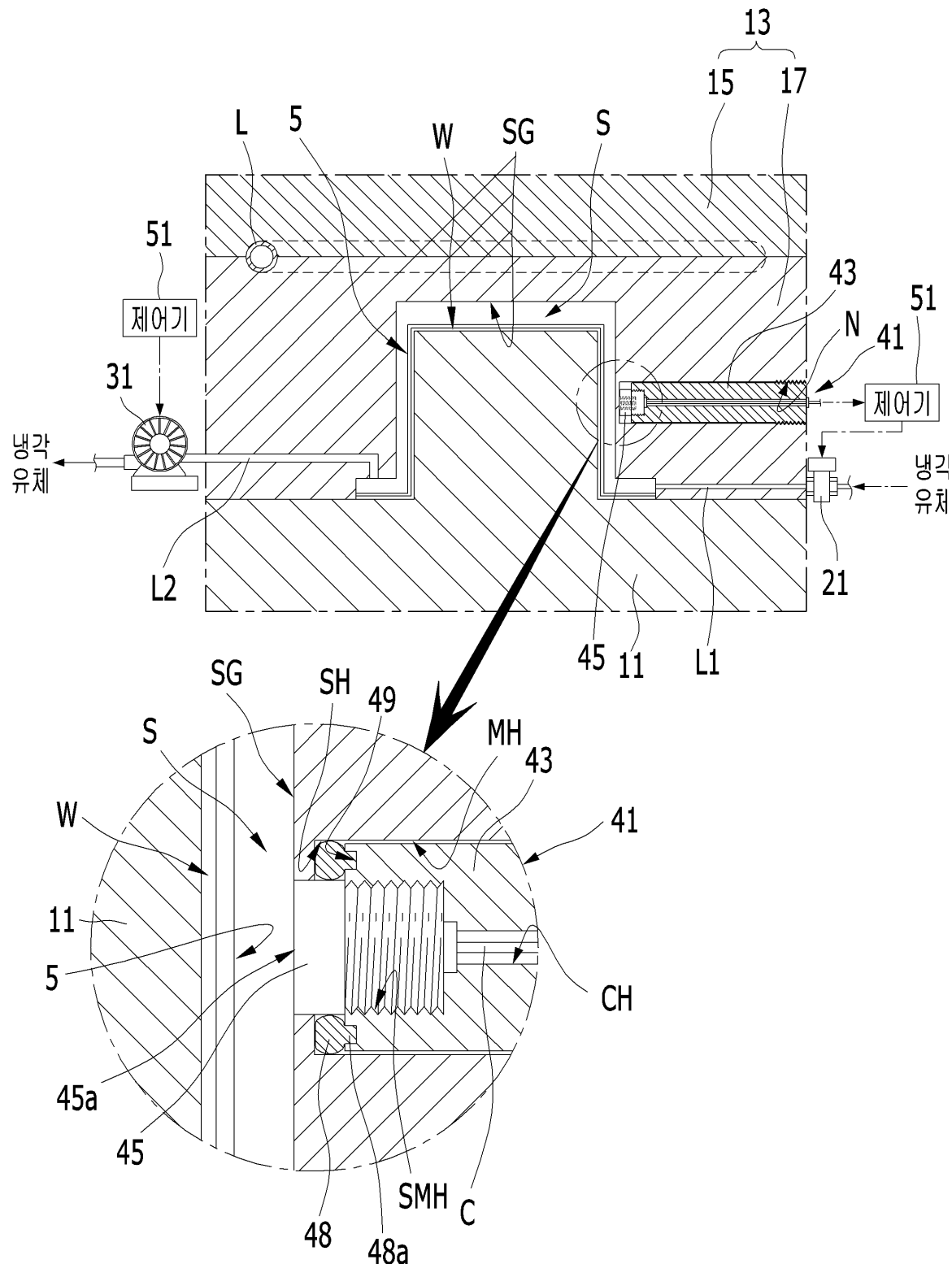
EGO - ELEKTRO GERAETEBAU OBERWEILER

Family 61/100 - FAMPAT - ©Questel

Title

(KR101462923)

Temperature sensor unit for hot stamping mold**Images**



Publication data including kind & date

KR20140072928	A	2014-06-16	KR20140072928
KR101462923	B1	2014-11-28	KR101462923



Abstract

(KR20140072928)

Provided is a **temperature sensor** unit for a hot stamping mold. The **temperature sensor** unit according to an embodiment of the present invention for a hot stamping mold with a lower mold, an upper mold, and a cooling space unit between the lower and upper molds regarding a welding unit of the hot stamping molding target material, comprises the following: a **sensor** holder which includes a connection hole formed from one side of the upper mold to the vicinity of the cooling space unit while a **sensor** hole is formed in the connection hole to be connected to the cooling space unit, is connected to the

mold by being inserted into the connection hole, has a cable hole in the inside, and has a **sensor** connection hole in the center of the inner section; a **temperature sensor** which is connected to the **sensor** connection hole of the **sensor** holder, has a sensing end being inserted into the **sensor** hole and exposed to the cooling space, and allows a cable to be connected to an external controller via the cable hole; and a sealing which is located between the inner section of the **sensor** holder and the inner side of the connection hole to secure a sealed state, wherein the **temperature sensor** is directly exposed to cooling fluid in the cooling space unit to detect the real time **temperature** of the cooling fluid and to output a **temperature** signal to a controller.

Inventors

LEE, MOON YONG

NA, SEONG KOOK

Latest standardized assignees - inventors removed

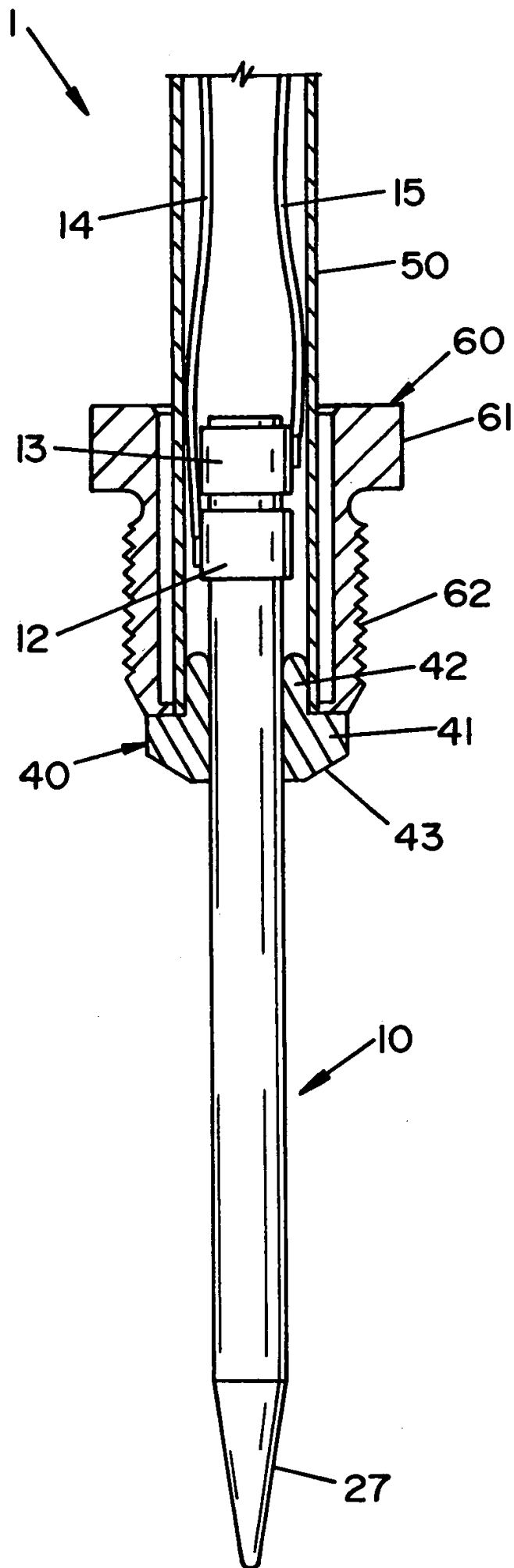
SUNGWOO HITECH

Family 62/100 - FAMPAT - ©Questel

Title

(US7891870)

Temperature sensor element and method of manufacturing the same**Images**



Publication data including kind & date

US20090268779	A1	2009-10-29	US20090268779
US7891870	B2	2011-02-22	US7891870

**Abstract**

(US20090268779)

A **temperature sensor** element 10 has a reduced thermal conduction path from a measurement object to a sensitive end portion 22 of a thermocouple 21 and a high-dense insulating ceramic base body 20. Since the **temperature sensor** element 10 has excellent thermal conductivity from the measurement object to the sensitive end portion 22 of the thermocouple 21, it is also excellent in responsiveness at the time of **temperature** detection. Further, corrosion and material deterioration of the thermocouple 21 is unlikely to occur because the thermocouple 21 does not directly contact the measurement object (exhaust gas). As a result, the **temperature sensor** element 10 exhibits excellent durability. Therefore, the **temperature sensor** element 10 exhibits a good responsiveness at the time of **temperature** detection as well as excellent durability.

Inventors

HOTTA NOBUYUKI

OHBAYASHI KAZUSHIGE

Latest standardized assignees - inventors removed

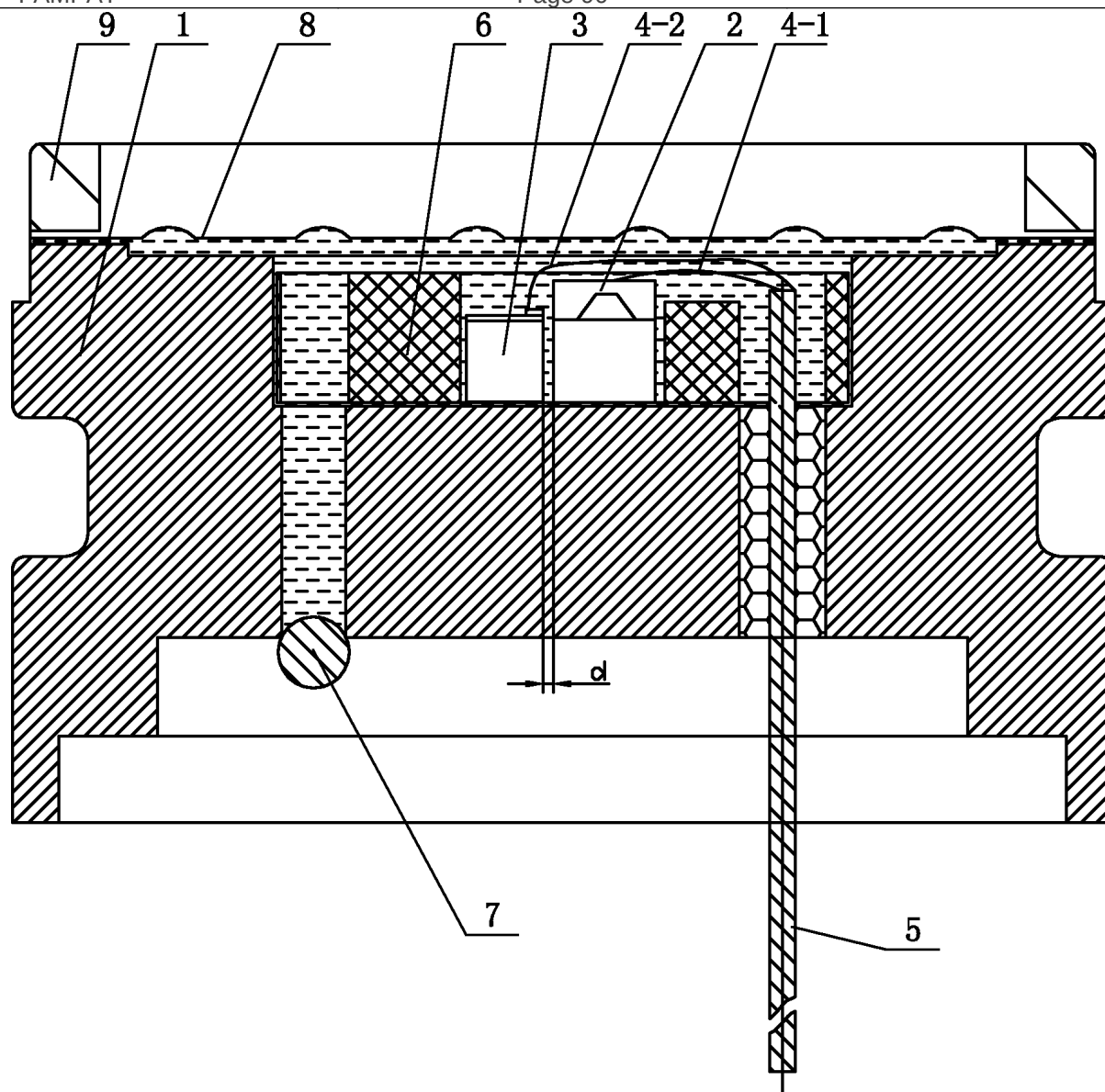
NGK SPARK PLUG

Family 63/100 - FAMPAT - ©Questel

Title

(CN102322893B)

Oil-filled **temperature** and pressure combined **sensor****Images**



Publication data including kind & date

CN102322893	A	2012-01-18	CN102322893
CN102322893	B	2013-02-13	CN102322893B



Abstract

(CN102322893)

The invention relates to an oil-filled **temperature** and pressure combined **sensor**, belonging to the technical field of **temperature** and pressure combined sensors. The oil-filled **temperature** and pressure combined **sensor** solves the problem that signals in a local area cannot be measured at the same time when a **temperature** and pressure combined **sensor** which is formed by two kinds of sensors in an assembling way. The oil-filled **temperature** and pressure combined **sensor** consists of a pipe seat, a pressure chip, a **temperature** chip, a gold wire lead, a silver-palladium wire, an external leading-out wireharness, a ceramic ring, a blocking plug, a corrugated diaphragm and a pressing ring. The pressure chip and the **temperature** chip are assembled in the pipe seat in a short distance and are welded on the pipe seat in a eutectic brazing way. When the oil-filled **temperature** and pressure combined **sensor** is used, after oil is filled in vacuum, the pressure chip and the **temperature** are protected at the same time and then pressure is sensed by the corrugated diaphragm. The oil-filled **temperature** and pressure combined **sensor** is suitable for the simultaneous measurement of the **temperature** and the pressure in the local area.

Inventors

TIAN LEI

WANG YONGGANG

FANG JIANLEI

MIAO XIN

SUN FENGLING

JIANG GUOGUANG

LI HAIBO

YIN YANZHAO

LI YULING

ZHANG YAN

Latest standardized assignees - inventors removed

CHINA ELECTRONICS TECHNOLOGY

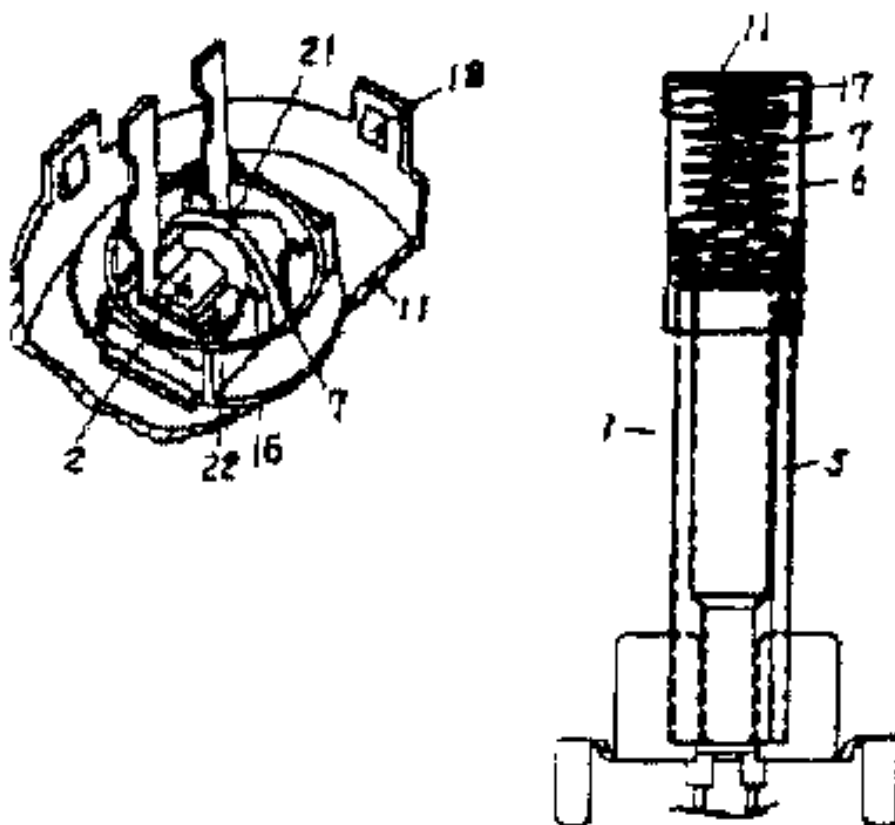
Family 64/100 - FAMPAT - ©Questel

Title

(JP04353730)

Temperature sensor for cooking device

Images

**Publication data including kind & date**

JP04353730	A	1992-12-08	JP04353730
JP2982378	B2	1999-11-22	JP2982378

**Abstract**

(JP04353730)

PURPOSE:To obtain a **temperature sensor** for a cooking device having excellent heat response and machinability with respect to the **temperature sensor** which is a cooking tool used in home and the like and detects the **temperature** of a material to be heated in contact with the material to be heated. CONSTITUTION:A heat sensitive part 11 in contact with a material to be heated is provided at the tip part of a movable part 6 which is provided at the tip of a **sensor** base stage 5. The heat sensitive part 11 is freely moved up and down and freely oscillated with respect to the movable **sensor** body 6.

The movable body 6 is also freely moved and freely oscillated with respect to the **sensor** base stage 5. Thus, the freely movable constitution having the two stages is provided. A **temperature** heat-sensitive body 2 is attached to a **sensor** fixing plate 16. A spring 7 is brought into contact with the **sensor** fixing plate 16 so that the **temperature** heat sensitive body 2 is tightly brought into contact with the heat sensitive plate in this constitution. In this constitution, the heat sensitive plate readily follows the change in bottom of a pan even if the material to be cooked is moved during cooking, and the **temperature** can be measured accurately. At the same time, the **temperature** heat-sensitive body 2 can be readily brought into contact with the heat sensitive plate.

Inventors

SASADA KATSUMI

NAGAI TAKESHI

OCHI KENZO

ITO SHUJI

Latest standardized assignees - inventors removed

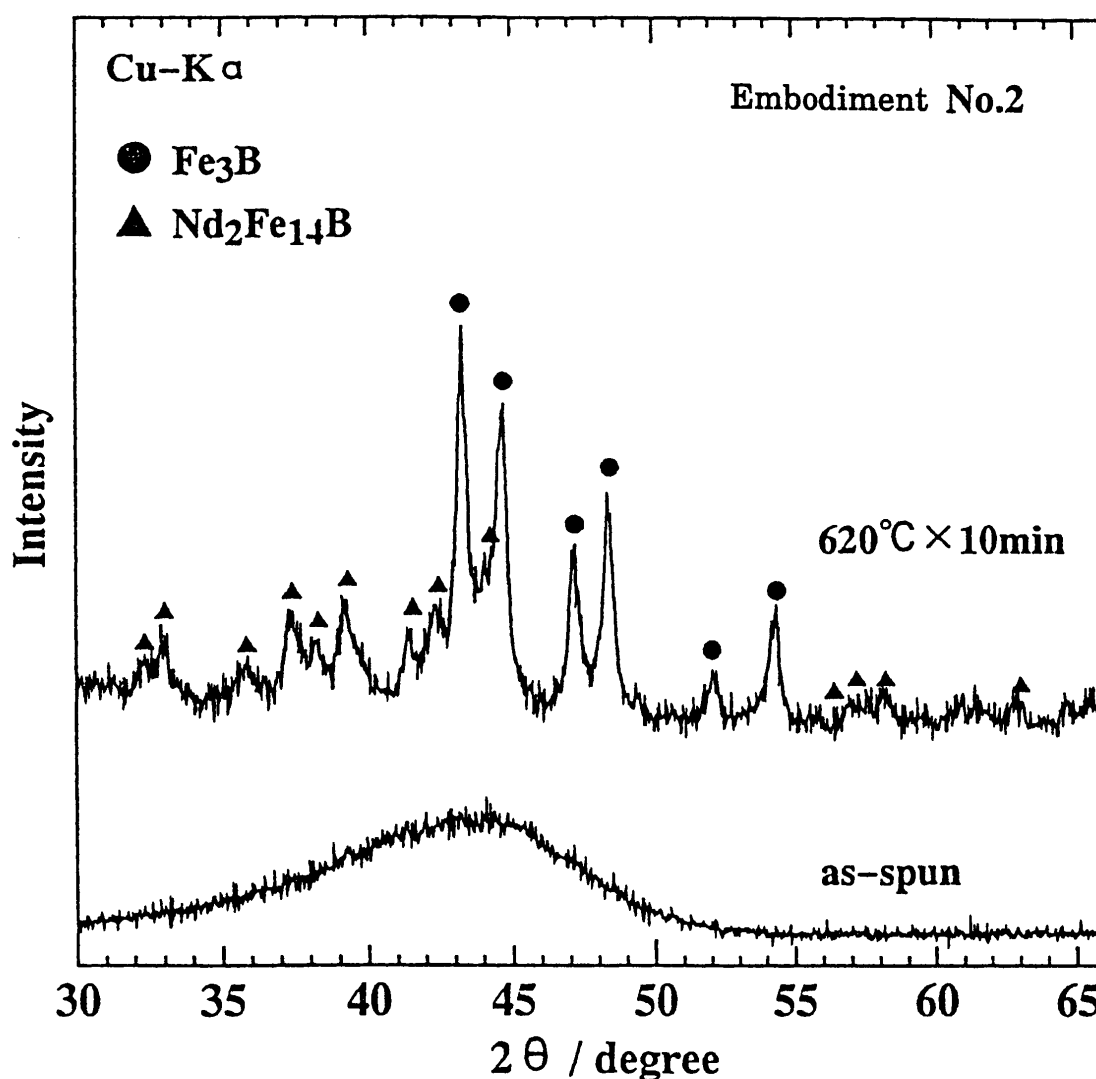
PANASONIC

Family 65/100 - FAMPAT - ©Questel

Title

(EP-921533)

Method of producing laminated permanent magnet

Images

EP0921533	A4	2001-03-21	EP-921533				
EP0921533	B1	2007-04-18	EP-921533				
WO99/00802	A1	1999-01-07	WO9900802				
US6287391	B1	2001-09-11	US6287391				
DE69837590	D1	2007-05-31	DE69837590				
DE69837590	T2	2007-10-04	DE69837590				
JP11040447	A	1999-02-12	JP11040447				
JP11040448	A	1999-02-12	JP11040448				
JP11016715	A	1999-01-22	JP11016715				
JP3643214	B2	2005-02-04	JP3643214				
JP11026272	A	1999-01-29	JP11026272				
JP3643215	B2	2005-02-04	JP3643215				
CN1234905	A	1999-11-10	CN1234905				
CN1171247	C	2004-10-13	CN1171247C				

Abstract

(EP0921533)

It is an object of this invention to provide a method for manufacturing a permanent magnet whereby a permanent magnet of a desired shape, such as a small-scale, thinly shaped magnet which is optimal for a magnetic circuit used in an acceleration **sensor**, for example, and having any desired thickness, can be manufactured such that magnetic properties superior to those of a bonded magnet can be utilized effectively, by arriving at a method for manufacturing a fine crystal-type permanent magnet having hard magnetic properties of $iH_c \geq 2 \text{ kOe}$ and $B_r \geq 8 \text{ kG}$ by applying crystallization heat treatment to an amorphous thin strip obtained from a molten alloy of a specific composition by means of specific rapid cooling conditions, such that the average crystal **grain** size becomes 10 nm SIMILAR 50 nm. A thin permanent magnet of average thickness 10 μm SIMILAR 200 μm and having magnetic properties of $iH_c \geq 2 \text{ kOe}$, $B_r \geq 8 \text{ kG}$ can be manufactured by fabricating rapidly cooled alloy thin strip of amorphous composition which has good tenacity, simple working properties and an average thickness of 10 μm SIMILAR 200 μm , from a molten alloy of a specific composition containing 6 at% or less of rare-earth element and 15 at% SIMILAR 30 at% of boron, by means of specific rapid cooling conditions, and then subjecting this rapidly cooled alloy thin strip, after cutting or punching to a prescribed shape, to crystallization heat treatment such that the average crystal **grain** size thereof becomes 10 nm SIMILAR 50 nm, and by layering together two or more of these thin permanent magnets and bonding and uniting the layered thin strips by means of an inorganic adhesive material or a resin, it is possible readily to provide a high-performance layered permanent magnet having a desired thickness and a prescribed shape, without using a method involving crushing and bonded magnet forming processes and without needing to carry out a cutting process after manufacture.

Inventors

KANEKIYO HIROKAZU

HIROSAWA SATOSHI

Latest standardized assignees - inventors removed

NEOMAX

Family 66/100 - FAMPAT - ©Questel

Title

(US6318000)

Circulating type **grain** drying machine

Images

[IN0468/CAL/2000](#)

A 2005-12-30 IN2000KO00468

[IN212138](#)

B 2007-11-23 IN-212138

**Abstract**

(US6318000)

The circulating type **grain** drying machine is provided in which, at the **grain** filling operation, a controller causes a first heated air generator to operate and a second heated air generator to stop operating, and also causes, according to the detected values of the outside air humidity from an outside air humidity detector, an airflow control section to operate so as to change the quantity of the airflow by an air exhaust section. Also, at the drying operation, the controller controls the first heated air generator and controls the **temperature** of the heated air supplied into each heating pipe according to the detected values of the **grain** water content value, and controls the second heated air generator and controls the **temperature** of the **temperature** of the heated air supplied into the drying section according to the detected values of the **grain** water content values and the **grain** filling amount.

Inventors

SATAKE SATORU

MATSUSHIMA HIDEAKI

MATSUMOTO TOSHINORI

MIZUNO HIDENORI

Latest standardized assignees - inventors removed

SATAKE ENGINEERING

Family 67/100 - FAMPAT - ©Questel

Title

(EP1253121)

Grain oriented ceramics and a production process thereof, as well as an anisotropically-shaped powder and a production process thereof

Images

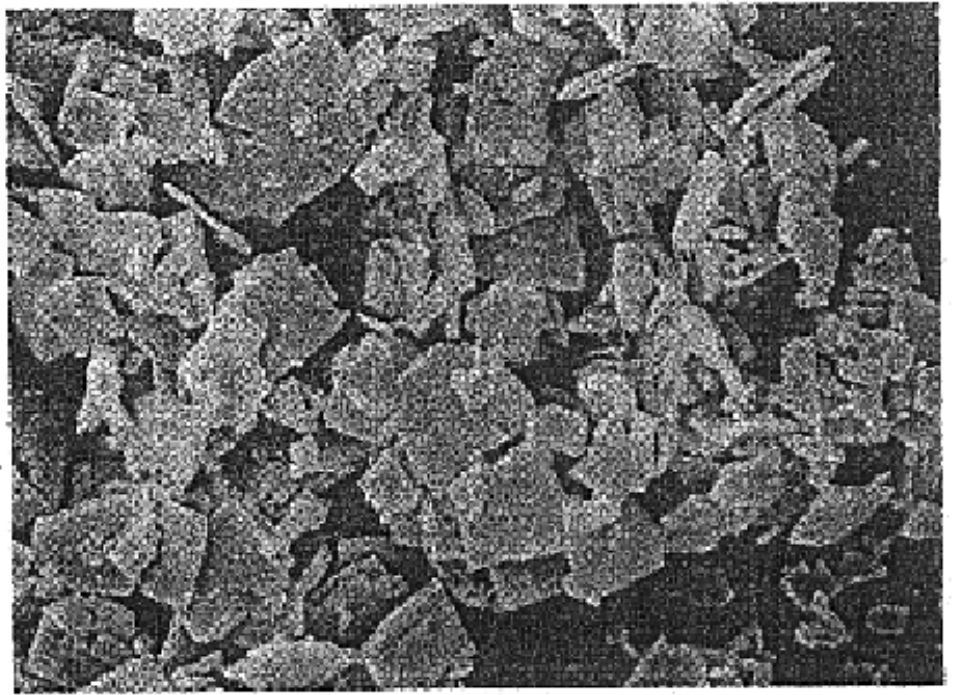
10 μm

FIG. 1

Publication data including kind & date

EP1253121	A2	2002-10-30	EP1253121				
EP1253121	A3	2004-08-18	EP1253121				
EP1253121	B1	2008-01-23	EP1253121				
EP1860079	A1	2007-11-28	EP1860079				
EP1860079	B1	2012-01-11	EP1860079				
EP1860079	B9	2012-04-25	EP1860079				
US20030008762	A1	2003-01-09	US20030008762				
US6692652	B2	2004-02-17	US6692652				
US20040120881	A1	2004-06-24	US20040120881				
US7560089	B2	2009-07-14	US7560089				
DE60224748	D1	2008-03-13	DE60224748				
DE60224748	T2	2009-02-05	DE60224748				
JP2003012373	A	2003-01-15	JP2003012373				
JP4135389	B2	2008-06-13	JP4135389				
JP2008143781	A	2008-06-26	JP2008143781				
JP5012528	B2	2012-06-15	JP5012528				

Abstract

(EP1253121)

Grain oriented ceramics constituted of a polycrystalline body having a first perovskite-type alkali-pentavalent metal oxide compound as the main phase, in which a specific crystal plane of each **grain** constituting the polycrystalline body is oriented. The **grain** oriented ceramics are obtained by molding a mixture of a first anisotropically-shaped powder A of which developed plane has a lattice matching with a specific crystal plane of the first perovskite-type alkali-pentavalent metal oxide compound and a first reaction material capable of reacting with the first anisotropically-shaped powder A thereby

forming at least the first perovskite-type alkali-pentavalent metal oxide compound such that the first anisotropically-shaped powder A is oriented, and by heating them.

Inventors

TAKAO HISAAKI

SAITO YASUYOSHI

TANI TOSHIHIKO

Latest standardized assignees - inventors removed

TOYOTA CENTRAL RESEARCH & DEVELOPMENT LABS

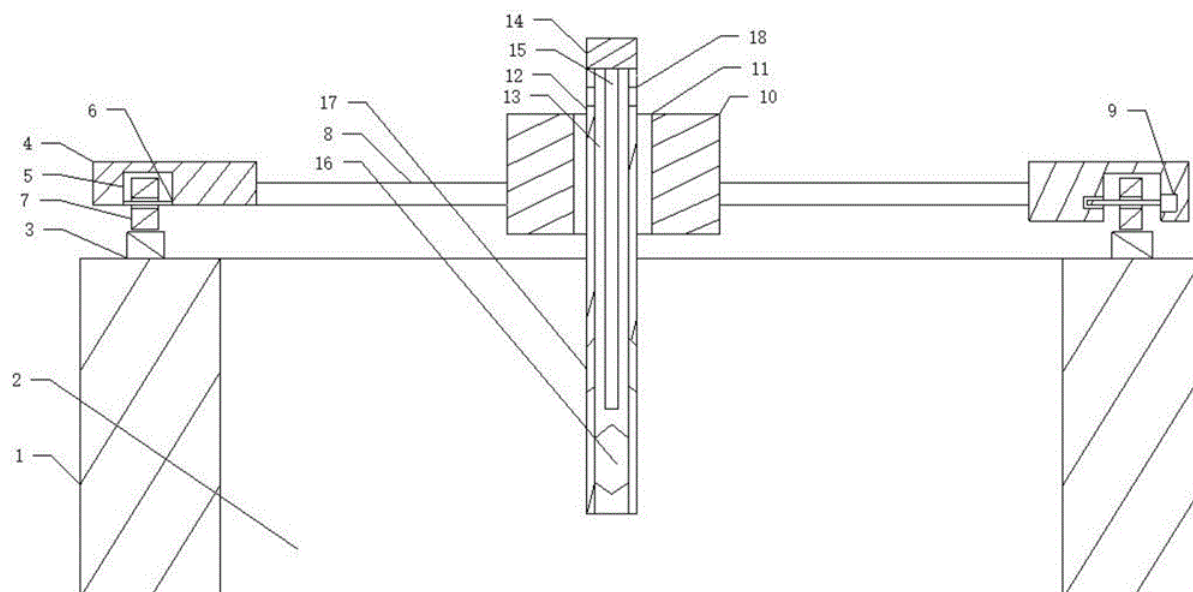
Family 68/100 - FAMPAT - ©Questel

Title

(CN109618680)

Agricultural **grain** storage precision moulding of the discharge beater ration

Images



Publication data including kind & date

CN109618680	A	2019-04-16	CN109618680
CN106717601	A	2017-05-31	CN106717601
CN106717601	B	2019-03-12	CN106717601B



Abstract

(CN109618680)

The invention discloses an agricultural **grain** storage mildewing **grain** accurate discharging stirrer. The agricultural **grain** storage mildewing **grain** accurate discharging stirrer comprises a storage cabin, wherein the storage cabin is internally provided with a storage cavity, the two ends of the storage cavity are provided with tracks respectively, the tracks are provided with slidable sliding machines respectively, two supporting sliding shafts which correspond to each other are arranged between the sliding machines at the two ends, the two supporting sliding shafts are provided with slidable sliding stirrers, each of the slidable sliding stirrer is provided with a slidable lifting stirring cylinder, the lifting stirring cylinder is internally provided with a rotatable stirring propeller, the lifting stirring cylinder is internally provided with an extracting cavity, the end parts of the lifting stirring cylinder are provided with a humidity **sensor** and a **temperature sensor** respectively, and the humidity **sensor** and the **temperature sensor** can extract the **grain** through the stirring propellers so as to achieve the purposes of overturning and stirring; in addition, the mildewing **grain** can be extracted so that the loss caused by the mildewing **grain** can be further prevented.

(From CN106717601 A)

Inventors

DOU HAN

Latest standardized assignees - inventors removed

ZHENGZHOU CHENGHE INFORMATION TECHNOLOGY

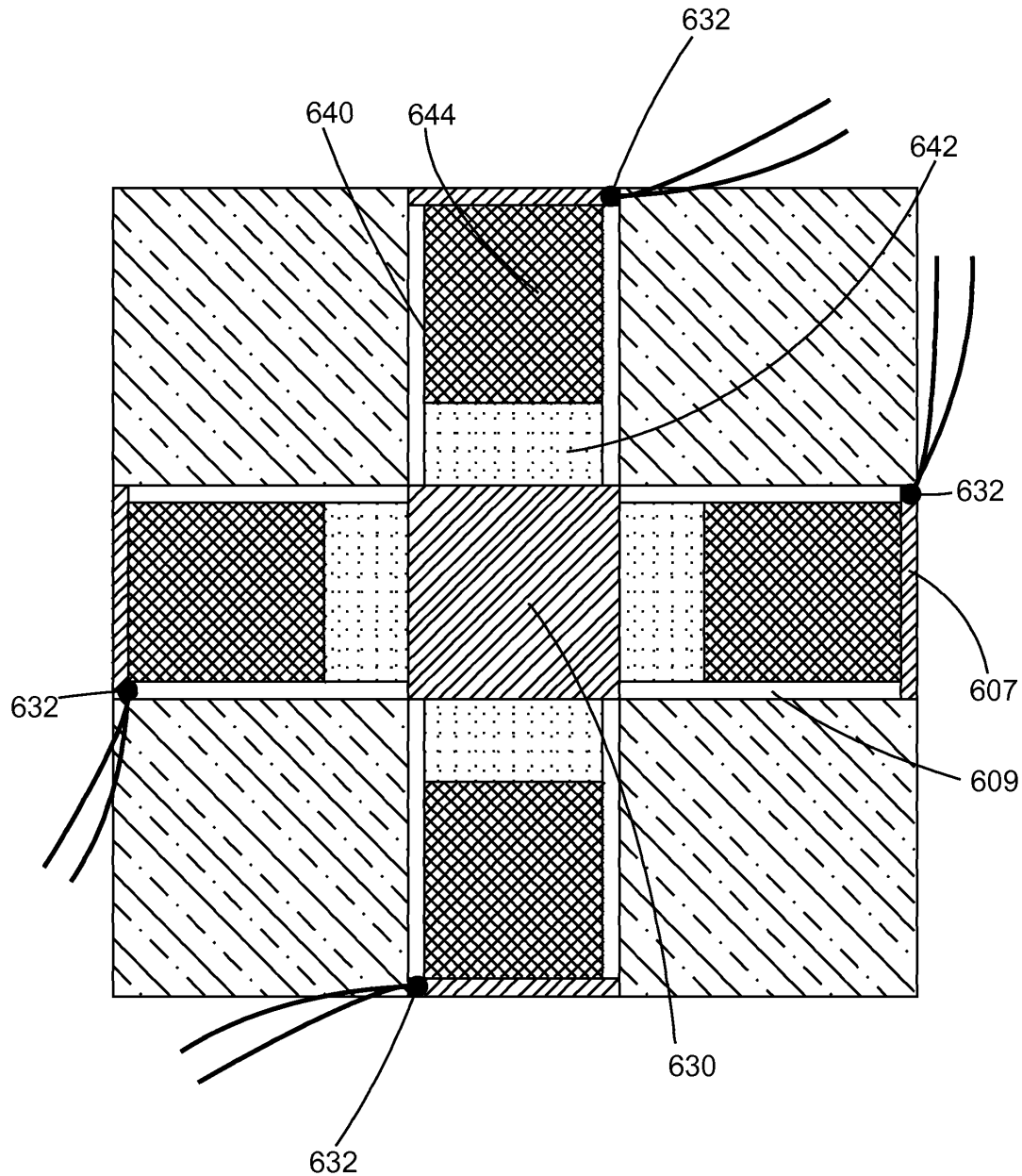
Family 69/100 - FAMPAT - ©Questel

Title

(WO201633347)

Balanced cell for high-pressure high-temperature press

Images



Publication data including kind & date

WO2016/033347	A1	2016-03-03	WO201633347				
WO2016/033376	A1	2016-03-03	WO201633376				
US20160059505	A1	2016-03-03	US20160059505				
US20160059506	A1	2016-03-03	US20160059506				
US9539781	B2	2017-01-10	US9539781				
US9539782	B2	2017-01-10	US9539782				
CN106794436	A	2017-05-31	CN106794436				
CN107073424	A	2017-08-18	CN107073424				

Abstract

(WO2016/033347)

High-pressure high-temperature presses are commonly employed to create superhard materials used in such fields as road milling, mining and trenching, to breakup tough materials such as asphalt, concrete and rock. Many such presses comprise a plurality of piston assemblies that may act in concert to pressurize a cell. Such a cell may comprise a body with at least three canisters disposed therein, each comprising an axis passing through a center of the body. Such a configuration may allow for maximum planes of symmetry within the cell.

Inventors

HALL DAVID R

DAHLGREN SCOTT S

HALL MICHAEL

CROCKETT RONALD B

DUKE TIMOTHY C

Latest standardized assignees - inventors removed

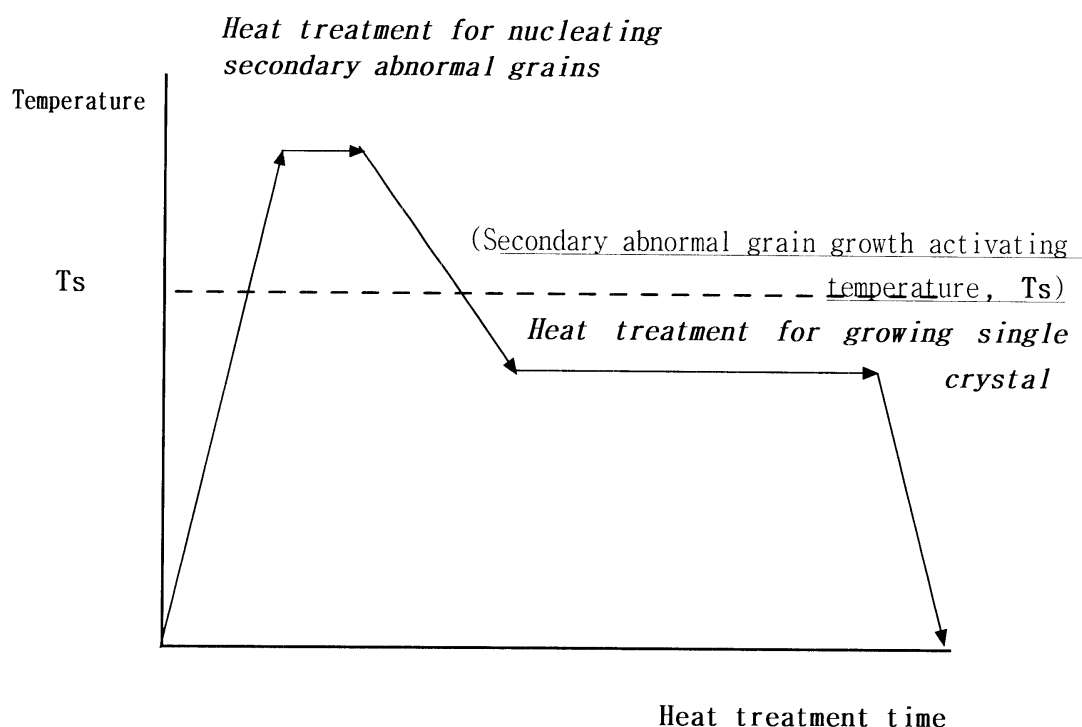
NOVATEK IP

Family 70/100 - FAMPAT - ©Questel

Title

(WO200106042)

Method for single crystal growth of barium titanate and barium titanate solid solution

Images**Publication data including kind & date**

WO01/06042	A1	2001-01-25	WO200106042
US6482259	B1	2002-11-19	US6482259
US20030015130	A1	2003-01-23	US20030015130
US6758898	B2	2004-07-06	US6758898
JP2003505316	A	2003-02-12	JP2003505316



JP3507821

B2 2004-03-15 JP3507821

AU5574700

A 2001-02-05 AU200055747

**Abstract**

(WO01/06042)

This invention relates to a method for growing single crystals of barium titanate [BaTiO₃] and barium titanate solid solutions [(Ba_xM_{1-x})(Ti_yN_{1-y})O₃]. This invention is directed to a method for growing single crystals of barium titanate and barium titanate solid solutions showing the primary and secondary abnormal **grain** growths with increasing **temperature** above the liquid formation **temperature**, is characterised by comprising the step for a few secondary abnormal grains to continue to grow at a **temperature** slightly below the critical **temperature** where the secondary abnormal **grain** growth starts to occur. The method for growing single crystals of barium titanate and barium titanate solid solutions according to this invention has an advantage to provide an effective low cost in manufacturing process for single crystals by using usual heat-treatment process without special equipments. The method for growing single crystals of barium titanate and barium titanate solid solutions according to this invention can be also applicable to other material systems showing abnormal **grain** growth behavior.

Inventors

LEE HO-YONG

KIM JAE-SUK

LEE JONG-BONG

HUR TAE-MOO

KIM DOE-YEON

HWANG NONG-MOON

LEE BYOUNG-KI

CHUNG SUNG YOON

KANG SUK-JOONG L

Latest standardized assignees - inventors removed

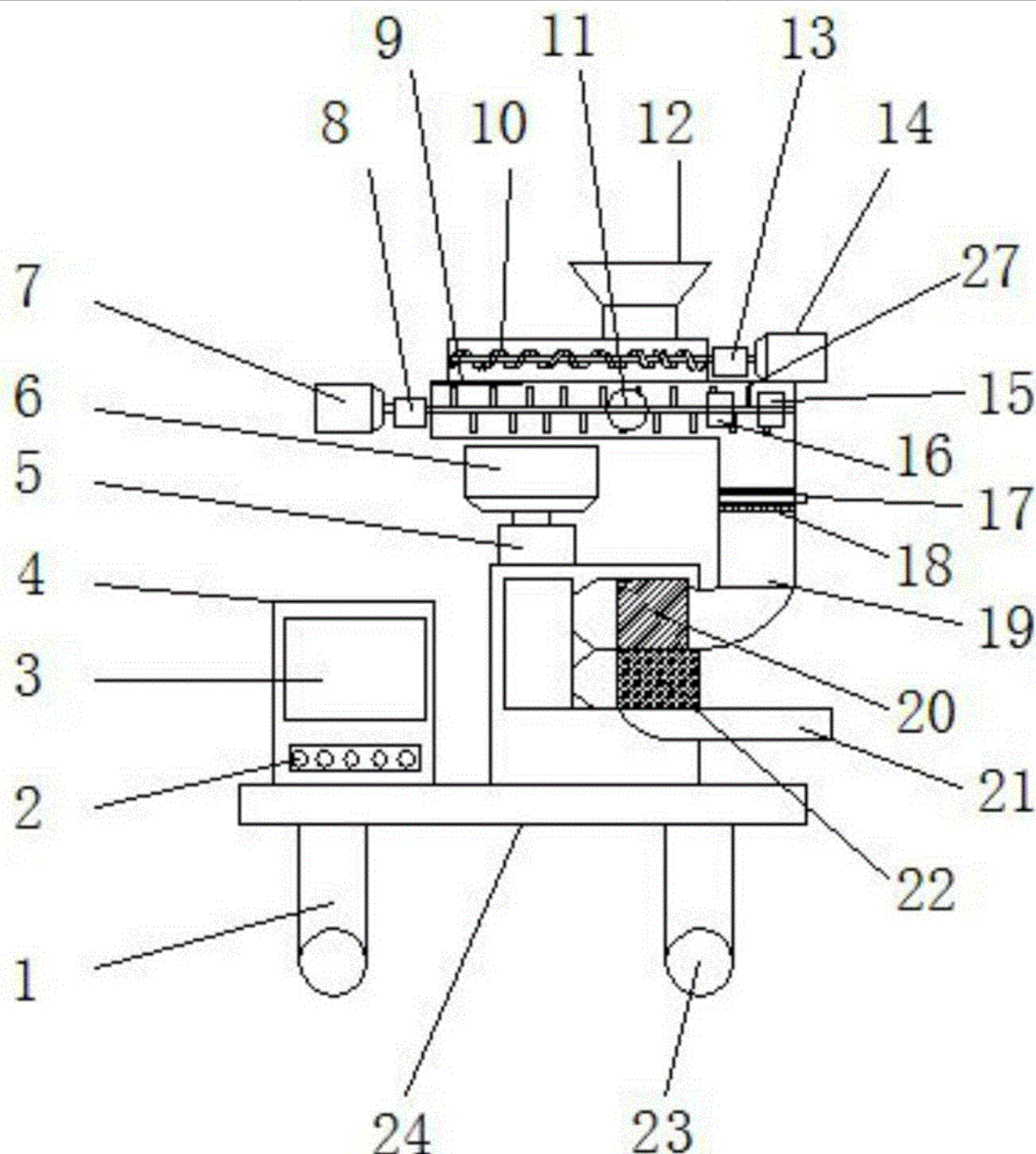
CERACOMP

Family 71/100 - FAMPAT - ©Questel

Title

(CN205409602U)

Grain machine is pressed to two pressures **grain** room fodder**Images**

**Publication data including kind & date**

CN205409602

U

2016-08-03

CN205409602U

**Abstract**

(CN205409602)

The utility model belongs to the technical field of it is mechanical to rais livestock or poultry and a grain machine is pressed to two pressures grain room fodder is disclosed, press grain room, control electronic box and support including feeder, agitator, first pressure grain room, second, the fixed hopper that is equipped with in feeder top, feeder one side is equipped with third shaft coupling and the fixed third motor that sets up in third shaft coupling one side, the fixed agitator that is equipped with in feeder bottom, agitator one side is equipped with second shaft coupling and fixed setting second motor on one side of the second shaft coupling, the fixed inlet tube that is equipped with in agitator top, fixed heater, temperature sensor and the humidity transducer of being equipped with in the agitator outside, agitator bottom is fixed to be equipped with down the feed cylinder and to set up the pull board inside the feed cylinder under, improvement that this grain machine is pressed to two pressures grain room fodder is very big granulation rate and productivity, be convenient for regulate and control the temperature and humidity.

Inventors

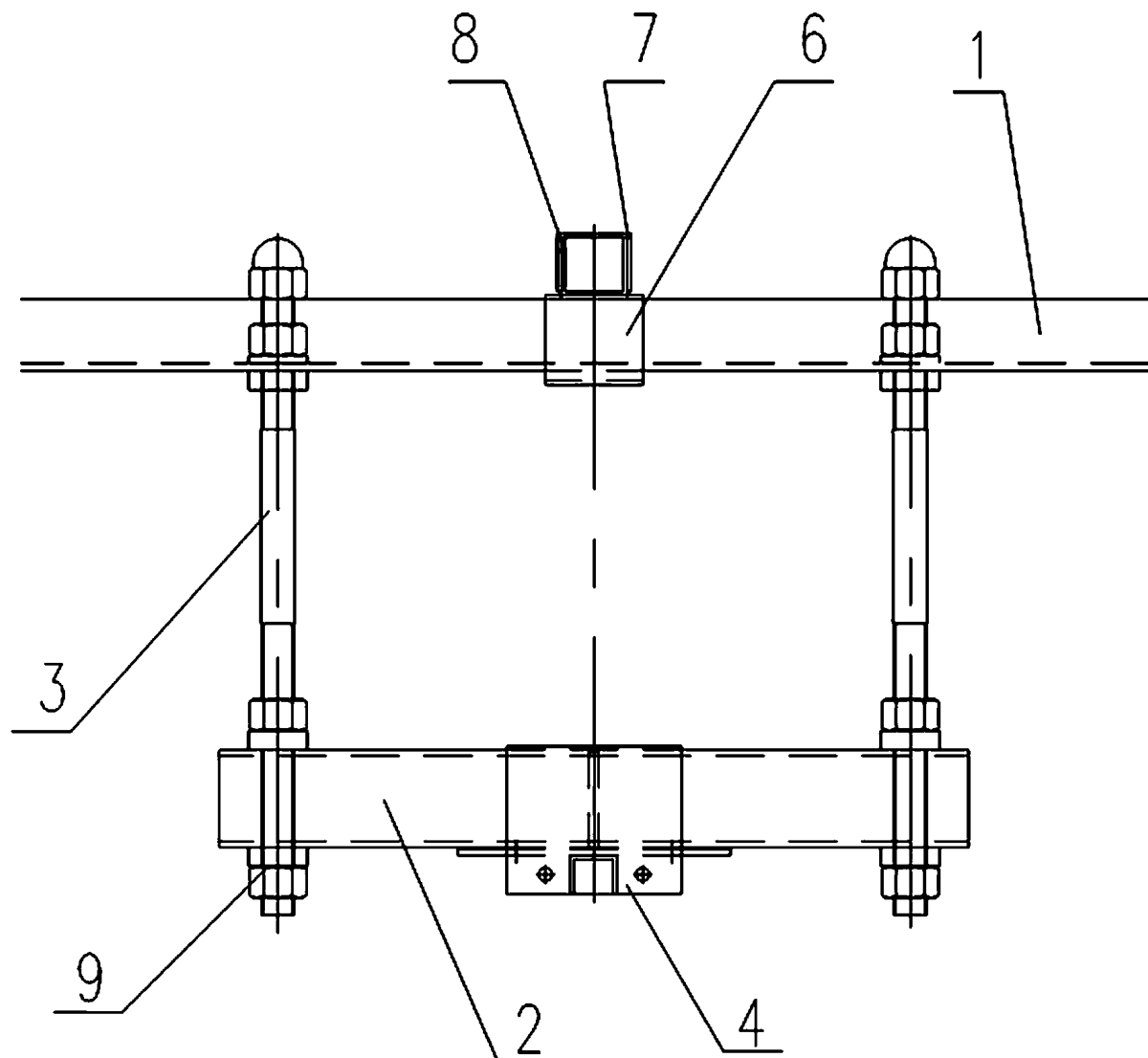
ZHAO ZHENGMEI

Latest standardized assignees - inventors removed

Family 72/100 - FAMPAT - ©Questel

Title

(CN205138655U)

Grain drying case **temperature sensor** structure of adjustable position**Images****Publication data including kind & date**

CN205138655

U 2016-04-06 CN205138655U

**Abstract**

(CN205138655)

The utility model discloses a **grain** drying case **temperature sensor** structure of adjustable position comprises guipure frame cross beam, square steel tube, registration arm, tuber pipe support, tuber pipe, **sensor** support, support entablature, support bottom end rail, lock nut, a left side, two registration arms in the right side run through and pass through lock nut fixed position in guipure frame cross beam with the square steel tube, tuber pipe support one end is recessed type recess, recessed type recess overlaps on the square steel tube and uses the bolt fastening, the tuber pipe top is fixed on the tuber pipe support other end, the **sensor** support is concave type, the cover is fixed through fixing bolt on guipure frame cross beam, the support bottom end rail is groove shaped frame, fix support bottom end rail groove shaped frame on the **sensor** support again, the support entablature is detained and form hollow casing on the support bottom end rail, the mountable is in hollow casing when **sensor** or sensing line, but the **sensor** also can be according to position difference shift adjusting in addition. The utility model discloses simple structure, the portable regulation of **sensor** installation.

Inventors

WEI JINFU

Latest standardized assignees - inventors removed

FAN YUMING

Family 73/100 - FAMPAT - ©Questel

Title

(EP2400858)

Protein preparation produced from rape seeds

Images

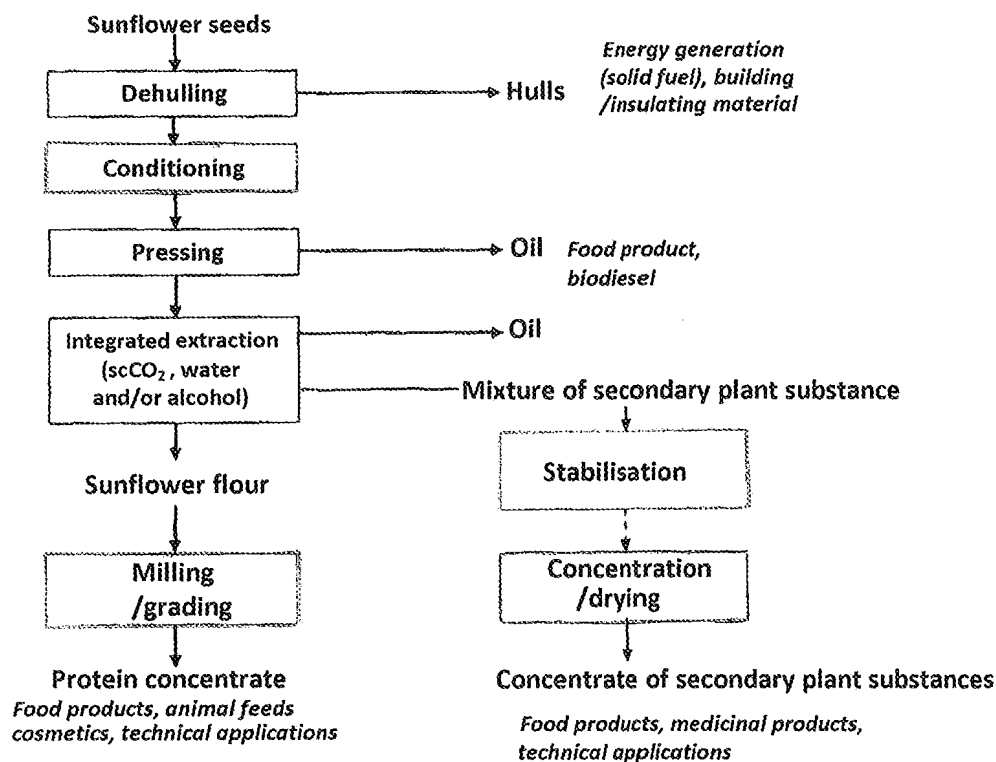


Fig. 1

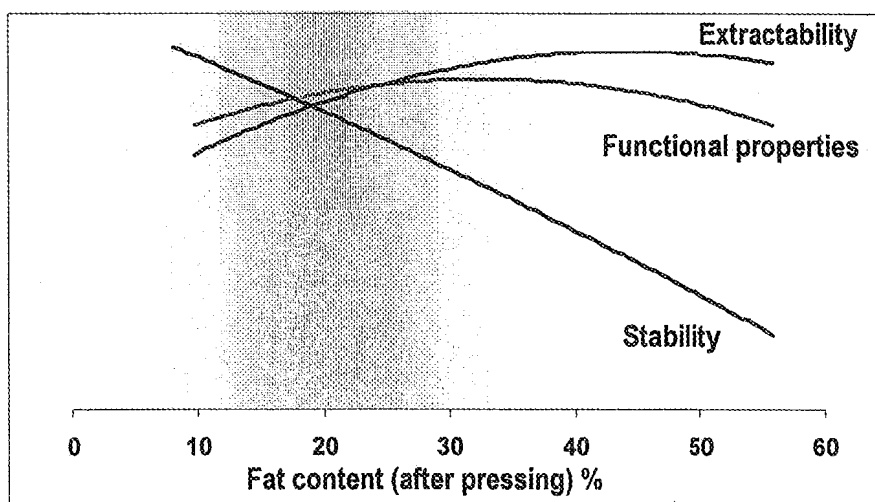


Fig. 2

Publication data including kind & date

EP2400858	A2	2012-01-04	EP2400858
EP3295803	A1	2018-03-21	EP3295803
EP2400859	A2	2012-01-04	EP2400859
EP2400859	B1	2017-10-25	EP2400859



WO2010/096943	A2	2010-09-02	WO201096943				
WO2010/097237	A1	2010-09-02	WO201097237				
WO2010/097238	A2	2010-09-02	WO201097238				
WO2010/097238	A3	2010-10-21	WO201097238				
WO2010/096943	A3	2010-12-23	WO201096943				
US20110301074	A1	2011-12-08	US20110301074				
US9351514	B2	2016-05-31	US9351514				
US20120009287	A1	2012-01-12	US20120009287				
US8728542	B2	2014-05-20	US8728542				
DE202010018616	U1	2018-11-22	DE202010018616				
JP2012518990	A	2012-08-23	JP2012518990				
RU2011139310	A	2013-04-10	RU2011139310				
CA2751914	A1	2010-09-02	CA2751914				
AR075841	A1	2011-04-27	AR--75841				
AU2010217122	A1	2011-09-22	AU2010217122				
CN102333453	A	2012-01-25	CN102333453				
CN102333454	A	2012-01-25	CN102333454				
IN3441/KOLNP/2011	A	2012-11-02	IN2011KN03441				
IN6157/CHENP/2011	A	2012-11-16	IN2011CN06157				
BRPI1008735	A1	2012-11-27	BR201008735				
BRPI1008735	A2	2015-09-01	BR201008735				
PT2400859	T	2018-01-29	PT2400859T				
HUE035356	T2	2018-05-02	HUE035356				
CA2753440	A1	2010-09-02	CA2753440				
CA2753440	C	2017-08-01	CA2753440				
BRPI1011486	A1	2012-11-27	BR201011486				
BRPI1011486	A2	2015-08-25	BR201011486				
BRPI1011486	B1	2017-12-26	BR201011486				
HRP20171849	T1	2018-01-12	HRP20171849				
ES2653928	T3	2018-02-09	ES2653928				
PL2400859	T3	2018-04-30	PL2400859				

Abstract

(EP2400858)

The invention relates to a protein preparation produced from rape seeds having a protein content of less than 90 % in relation to the dry mass having a brightness L^* , determined according to CIE- $L^*a^*b^*$ colour scale, of at least 70 and also having at least water-binding, oil-binding and emulsifying functions. Said method for producing a protein preparation consists of dehulling the rape seeds and subjecting them to a mechanical deoiling process wherein only one part of the oil is separated and/or the deoiling is carried out at a **temperature** of less than 80°C which is determined according to the duration of the pressing process, and/or subjecting the grains to an extraction process wherein the amount of non-protein material is reduced in the protein flour and then the **grain** size is prepared in order to obtain bulk material having a predetermined particle size distribution.

Inventors

PICKARDT CLAUDIA

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ZIMMERMANN HUBERT

BERNATH ETIENNE

WILD FLORIAN

FRANKL MICHAEL

GRUPPE SIGRID

SCHREIBER KLAUS

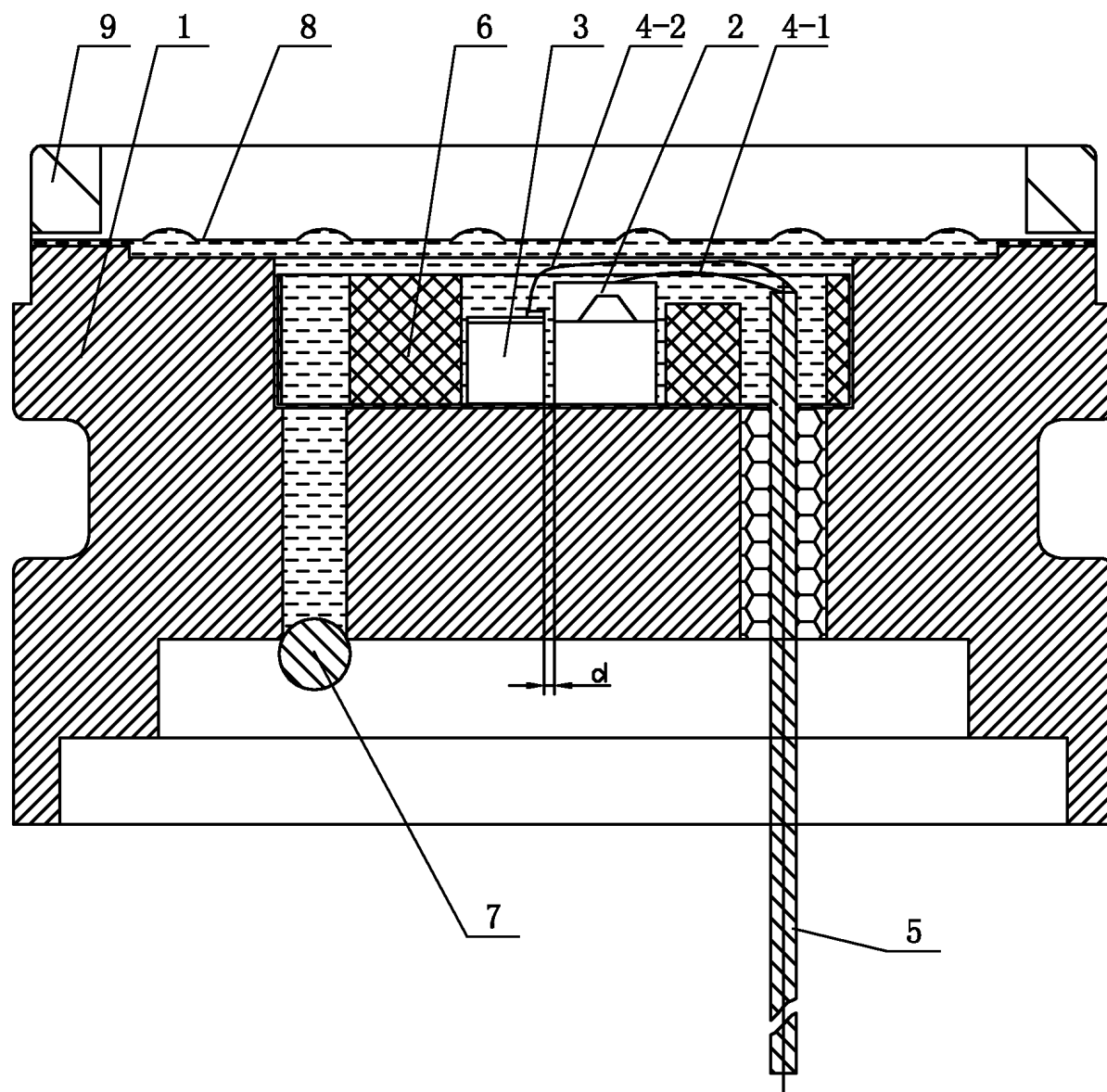
Latest standardized assignees - inventors removed

FRAUNHOFER

Family 74/100 - FAMPAT - ©Questel

Title

(CN202066613U)

Oil-filled **temperature** pressure combined **sensor****Images****Publication data including kind & date**[CN202066613](#)

U

2011-12-07

CN202066613U

**Abstract**

(CN202066613)

An oil-filled **temperature** pressure combined **sensor** belongs to the technical field of a **temperature** pressure combined **sensor**, and solves the problem that a **temperature** pressure combined **sensor** formed by assembling two sensors cannot carry out measurement to signals in a local area simultaneously. The oil-filled **temperature** pressure combined **sensor** comprises a pipe holder, a pressure chip, a **temperature** chip, a gold wire lead wire, a silver palladium wire, an outer leading out wire bunch, a ceramic ring, a sealing plug, a corrugated diaphragm, and a **press** ring, wherein the pressure chip

and the **temperature** chip are closely arranged in the pipe holder and welded on the pipe holder via an eutectic welding mode. In using the oil-filled **temperature** pressure combined **sensor**, after vacuum oil filling is carried out, the pressure chip and the **temperature** chip are protected simultaneously, and the corrugated diaphragm is used for sensing pressure. The oil-filled **temperature** pressure combined **sensor** is suitable for the simultaneous measurement of the **temperature** and pressure of the local area.

Inventors

TIAN LEI

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LI HAIBO

YIN YANZHAO

LI YULING

ZHANG YAN

Latest standardized assignees - inventors removed

CHINA ELECTRONICS TECHNOLOGY

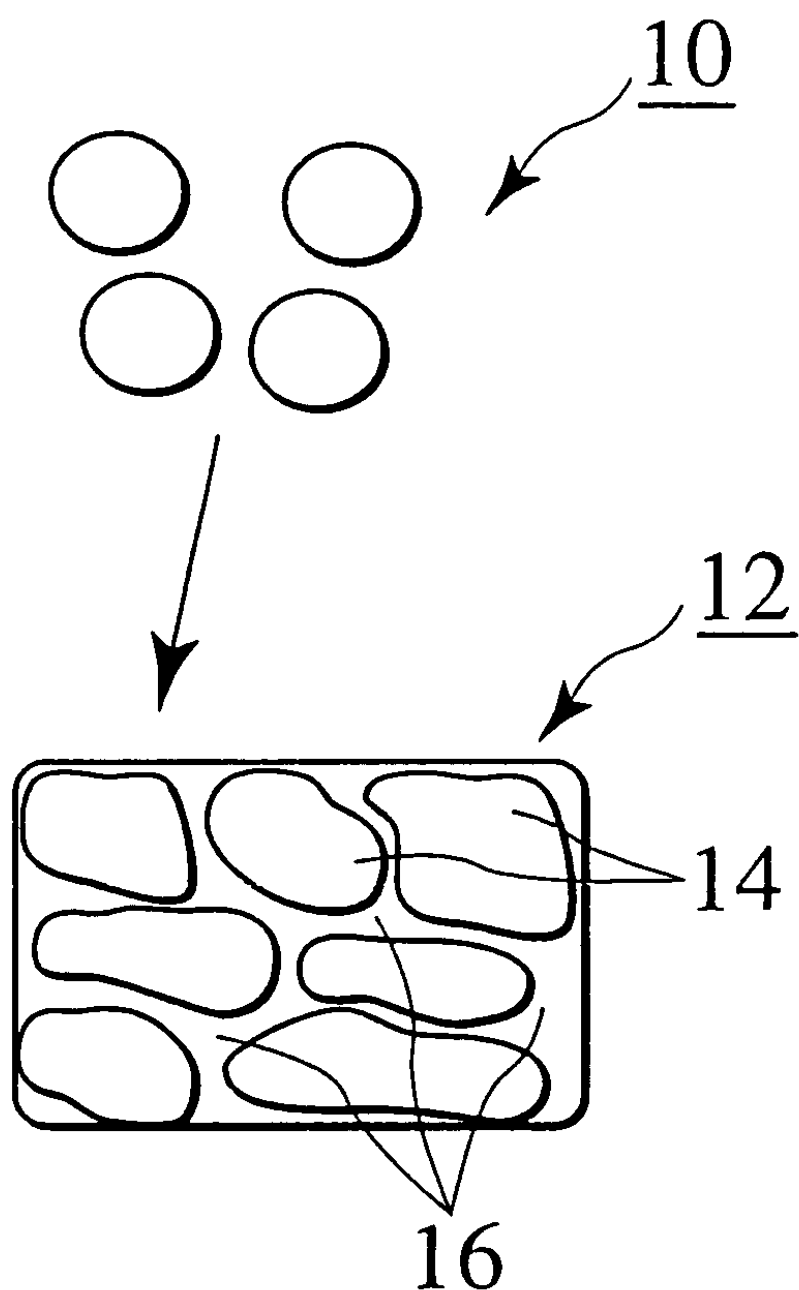
Family 75/100 - FAMPAT - ©Questel

Title

(EP1191552)

Bulk exchange-spring magnet, device using the same, and method of producing the same

Images



Publication data including kind & date

EP1191552	A2	2002-03-27	EP1191552
EP1191552	A3	2003-02-26	EP1191552
EP1191552	B1	2006-08-16	EP1191552
US20020036559	A1	2002-03-28	US20020036559
US6736909	B2	2004-05-18	US6736909
DE60122260	D1	2006-09-28	DE60122260
DE60122260	T2	2007-08-09	DE60122260
JP2002100507	A	2002-04-05	JP2002100507
JP3739266	B2	2005-11-11	JP3739266



Abstract

(EP1191552)

A bulk exchange-spring magnet 12, a method of producing the same, and a device 20 incorporating the bulk exchange-spring magnet are disclosed. The magnet includes magnet powders 10 having hard and soft phases, and boron and oxygen atoms which cohere in boundary areas 16 between grains 14 of the densified magnet powders 10. In a production method, the magnet powders 10 are compacted so as to incorporate boron and oxygen atoms into the boundary areas 16 and are heated under a compacted state of the magnet powders at varying operating temperatures for a given time period. This results in formation of a highly densified magnet at a lower potential operating **temperature** for a shorter time period without the **grain** growth. The device 20 includes the bulk exchange-spring magnet 12 containing the boron and oxygen atoms cohering between the grains of the densified magnet powders.

Inventors

WAKI NORIHISA

ONO HIDEAKI

SHIMADA MUNEKATSU

SUGIYAMA TATSUO

Latest standardized assignees - inventors removed

NISSAN MOTOR

Family 76/100 - FAMPAT - ©Questel

Title

(EP-810425)

Electrical resistance **temperature sensor**

Images

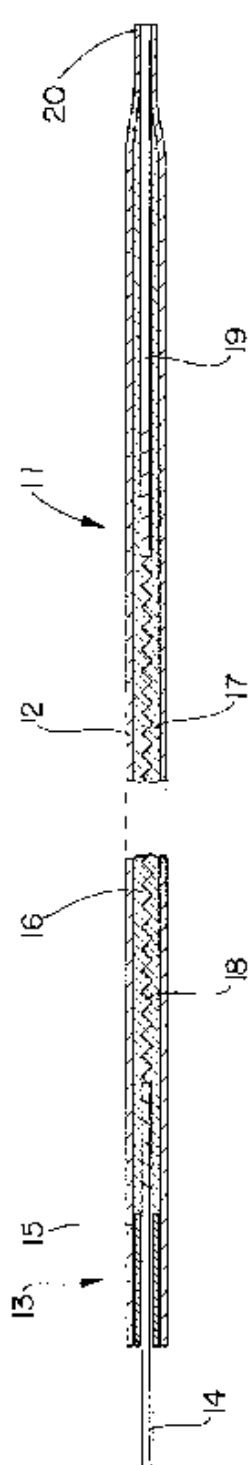


FIG. 1

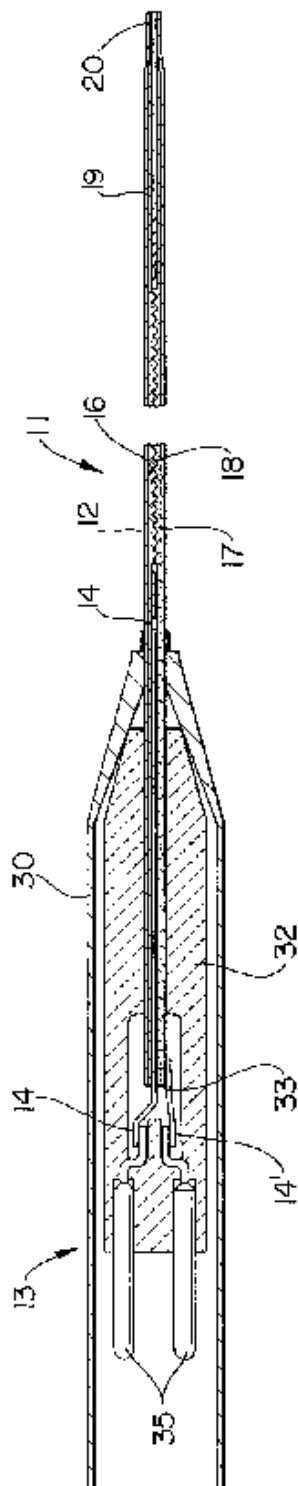


FIG. 2

Publication data including kind & date

EP0810425	A1	1997-12-03	EP-810425
EP0810425	B1	2003-04-02	EP-810425
US5889460	A	1999-03-30	US5889460
DE19621689	A1	1997-12-04	DE19621689
DE59709663	D1	2003-05-08	DE59709663
JP10073496	A	1998-03-17	JP10073496
JP3819537	B2	2006-06-23	JP3819537
KR970075936	A	1997-12-10	KR19970075936
KR100458351	B1	2005-01-17	KR100458351



Abstract

JP02240906	A	1990-09-25	JP02240906				
JP2646734	B2	1997-08-27	JP2646734				
JP2697095	B2	1998-01-14	JP2697095				
JP2743448	B2	1998-04-22	JP2743448				
JP03001516	A	1991-01-08	JP03001516				
JP2707706	B2	1998-02-04	JP2707706				
JP03011716	A	1991-01-21	JP03011716				
JP2705221	B2	1998-01-28	JP2705221				
KR19927000461	A	1992-02-19	KR19927000461				
KR930012272	B1	1993-12-28	KR930012272				
JP2743448	B2	1998-04-22	JP2743448				

Abstract

(EP0437613)

A laminated and **grain** boundary insulated type semiconductor ceramic capacitor which normally works as a capacitor absorbing noises of low voltages and noises of high frequencies and works as a varistor when high voltage pulses or static electricity noises are applied thereto. The material of the ceramic capacitor is chiefly $\text{Sr}(1-x)\text{Ba}_x\text{TiO}_3$ by which the material and the internal electrode material can be baked simultaneously in the process of production. A method of producing the same is also disclosed. The reason why the both materials can be simultaneously baked is as follows. A component for changing a material into a semiconductor is added to a Ti-excess of $\text{Sr}(1-x)\text{Ba}_x\text{TiO}_3$; Mn and Si components are further added which turn into MnO_2 and SiO_2 respectively during the step of baking; and accordingly **grain** boundary insulated semiconductor for capacitors is easily obtained only through reoxidation without the conventional step of surface diffusion of metal oxides. Further, according to the invention, the compact after lamination is calcined in advance in the air to obtain a laminated ceramic capacitor with a varistor function. Problems such as breakage in the internal electrode, delamination, cracks, low density after sintering, and nonhomogeneity of structure of the sintered body are suppressed as far as possible. The capacitor exhibits remarkable improvement in electric characteristics such as capacity, voltage non-linear exponential alpha, varistor voltage and in reliability. The invention exhibits the greatest features in the material composition and process in regard to the above two points.

Inventors

UENO IWAO

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OKAMOTO KAORI

TAKAMI AKIHIRO

Latest standardized assignees - inventors removed

PANASONIC

Family 78/100 - FAMPAT - ©Questel

Title

(JP05232064)

Press method for exhaust gas **sensor**

Publication data including kind & date

JPH05232064	A	1993-09-07	JP05232064			
JP3072179	B2	2000-07-31	JP3072179			

Abstract

(JPH05232064)

PURPOSE: To reduce dispersion in resistance values and response performance of a BaSnO_3 exhaust gas **sensor** by specifying a compression time from compression start to the steady compression state of a powder at **press** after **press** forming of the BaSnO_3 powder. CONSTITUTION: Dispersion in a **press** process is determined by a time of a compression process in the case of a BaSnO_3 powder. The time to 97% compression from start of contact with a punch against

compression between a position of the punch at compression start and a position of the punch where **press** is continued for a long time is set as a 97% compression time. The time till pressurization is ended after 97% compression is set as a static **press** time. In the case of the BaSnO₃ powder, a compression time affects a **sensor** characteristic, while influence of the static **press** time is small. By extending the compression time, dispersion in resistance values and response performance of a **sensor** can be reduced. The time, of 97% compression is set to 40 seconds or more and 200 seconds or less so as to improve mass productivity. The 97% compression time is preferably from 45 to 150 seconds and more preferably 45 to 80 seconds. By this improvement in **press** conditions, dispersion in resistance values and response performance of the exhaust gas **sensor** can be reduced.

Inventors

Rin Hiroyuki

KOMATSU KAZUYA

HANADA MARIKO

SHIMABUKURO MUNEHARU

Latest standardized assignees - inventors removed

MAZDA MOTOR

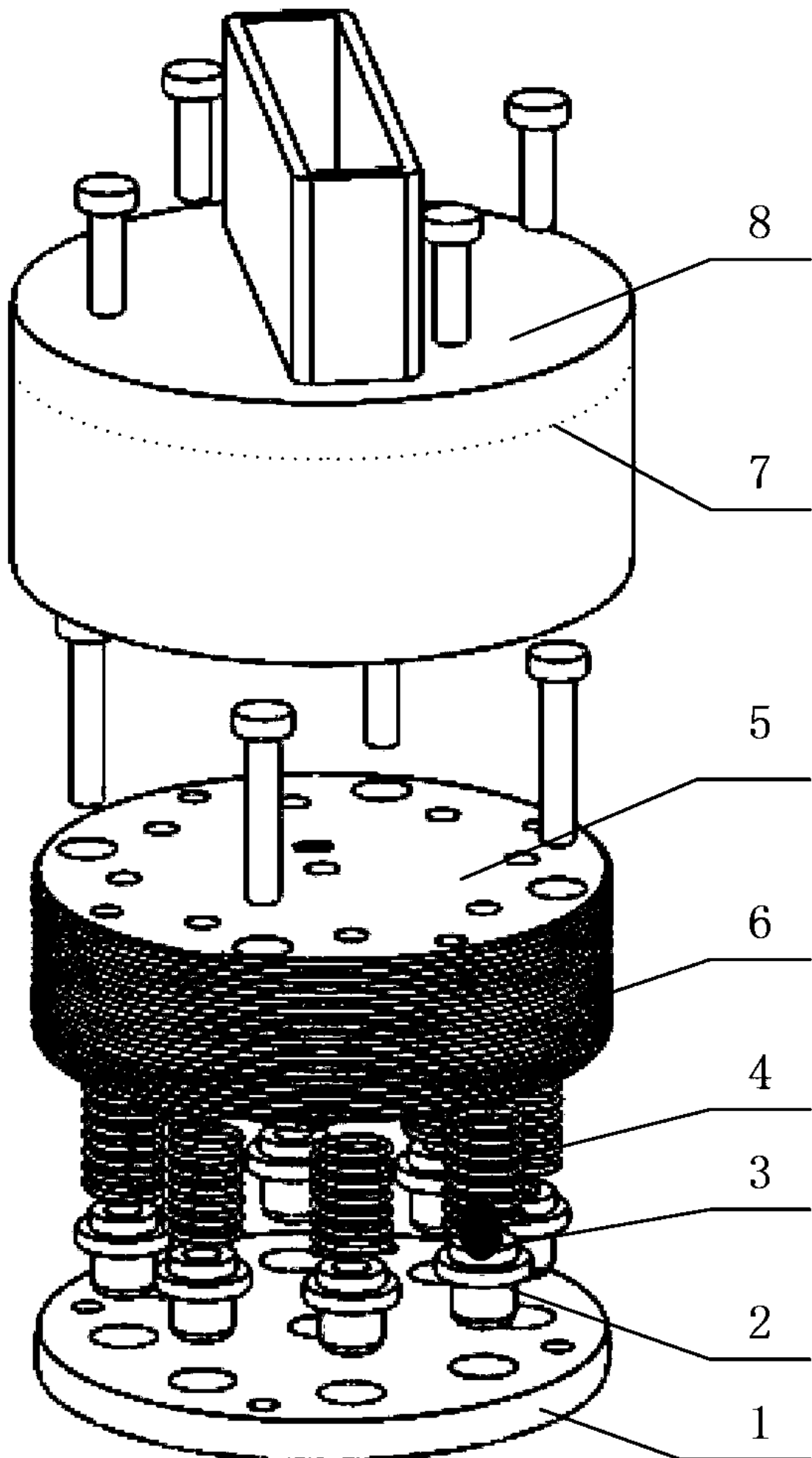
FIGARO ENGINEERING

Family 79/100 - FAMPAT - ©Questel

Title

(CN102998023B)

Sliding **temperature** tactile **sensor****Images**



Publication data including kind & date

CN102998023	A	2013-03-27	CN102998023
CN102998023	B	2014-07-16	CN102998023B

**Abstract**

(CN102998023)

A sliding **temperature** tactile **sensor** comprises a **temperature** sensing unit array, a thermal conductive layer, a constant **temperature** layer, a thermal insulating layer, a thermal insulating shell and a measurement and control circuit. The **temperature** sensing unit array comprises a plurality of **temperature** sensing units, and each **temperature** sensing unit comprises a thermistor, a thermal conductive cap and a spring. The thermistors are disposed in the thermal conductive caps, the lower ends of the springs are sleeved at opening ends of the thermal conductive caps, through holes corresponding to the **temperature** sensing units are arranged on the thermal conductive layer, the closed ends of the thermal conductive caps are arranged in the through holes and extend out of the lower surface of the thermal conductive layer, blind holes corresponding to the **temperature** sensing units are arranged on the lower surface of the constant **temperature** layer, through holes smaller than the blind holes in diameter are arranged at

Inventors

WU JIANFENG

LI JIANQING

WAN NENG

ZHU NAIRUI

JIA ZHEN

YANG YURONG

LI NA

NI YUJIE

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WANG YAOCHU

GENG WANPEI

Latest standardized assignees - inventors removed

SOUTHEAST UNIVERSITY NANJING

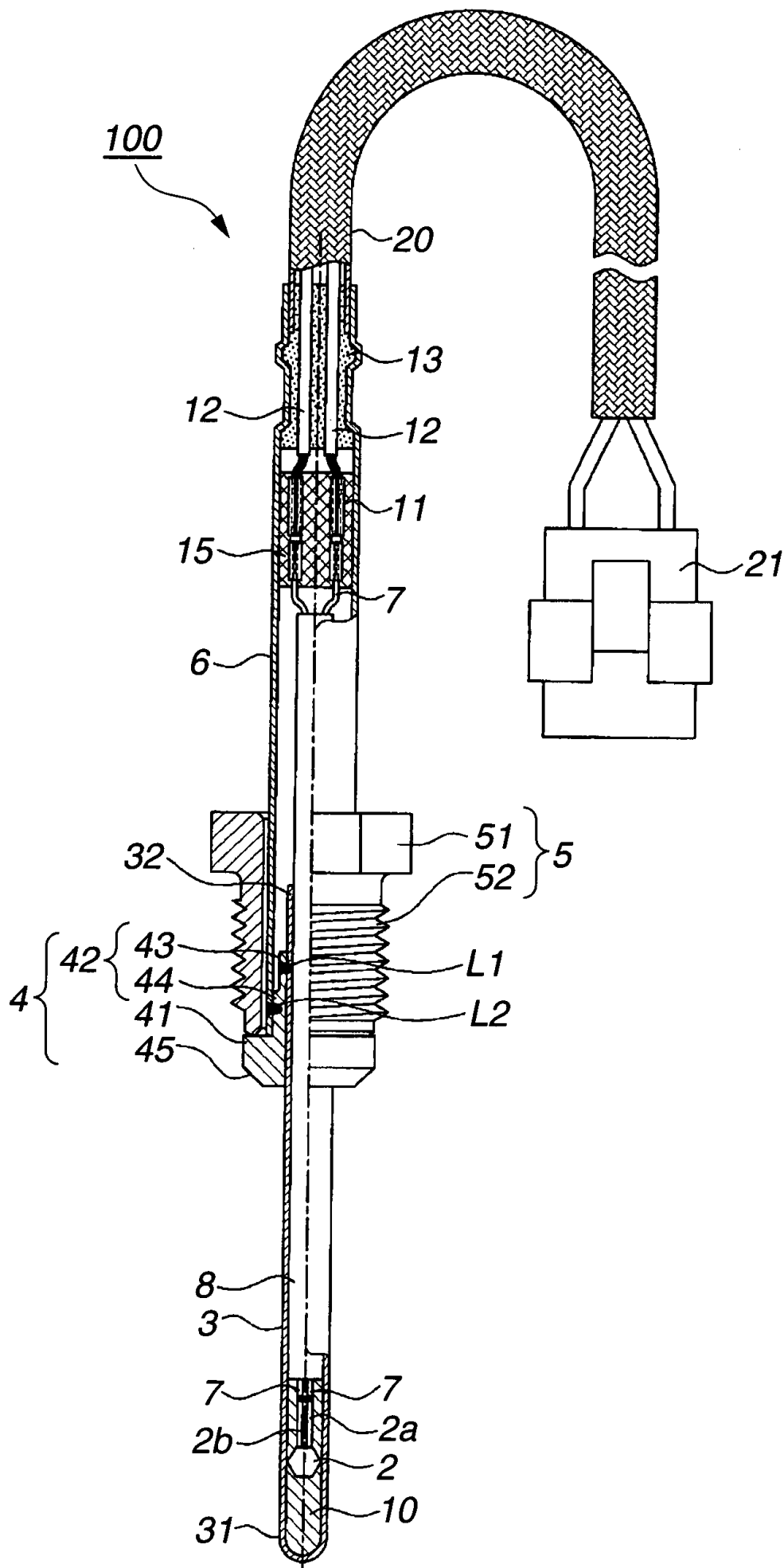
Family 80/100 - FAMPAT - ©Questel

Title

(EP1775274)

Sintered electroconductive oxide, thermistor element using sintered electroconductive oxide, and **temperature sensor** using thermistor element

Images



Publication data including kind & date

EP1775274	A1	2007-04-18	EP1775274				
EP1775274	A4	2011-03-16	EP1775274				
EP1775274	B1	2015-10-07	EP1775274				
WO2006/109792	A1	2006-10-19	WO2006109792				
US20090016409	A1	2009-01-15	US20090016409				
US7656269	B2	2010-02-02	US7656269				
JP2006315946	A	2006-11-24	JP2006315946				
JP5053563	B2	2012-08-03	JP5053563				
CN101018749	A	2007-08-15	CN101018749				
CN100471820	C	2009-03-25	CN100471820C				
KR20080006533	A	2008-01-16	KR20080006533				
KR101155688	B1	2012-06-12	KR101155688				

Abstract

(EP1775274)

According to an aspect of the present invention, there is provided a sintered electroconductive oxide containing a perovskite phase of perovskite-type crystal structure represented by the composition formula: $M_1 a M_2 b M_3 c Al d Cr e O f$ where M_1 is at least one of elements of group 3A other than La; M_2 is at least one of elements of group 2A; M_3 is at least one of elements of groups 4A, 5A, 6A, 7A and 8 other than Cr; and a, b, c, d, e and f satisfy the following conditional expressions: $0.600 \leq a \leq 1.000$; $0 \leq b \leq 0.400$; $0.150 \leq c \leq 0.600$; $0.400 \leq d \leq 0.800$; $0 < e \leq 0.050$; $0 < e / c + e \leq 0.18$; and $2.80 \leq f \leq 3.30$. With the use of this conductive oxide sintered body, it becomes possible to carry out proper **temperature** measurements over the **temperature** range from a low **temperature** of -40°C to a high **temperature** of 900°C or higher.

Inventors

MIZOGUCHI YOSHIHITO

OKIMURA YASUYUKI

MITSUOKA TAKESHI

OHBAYASHI KAZUSHIGE

Latest standardized assignees - inventors removed

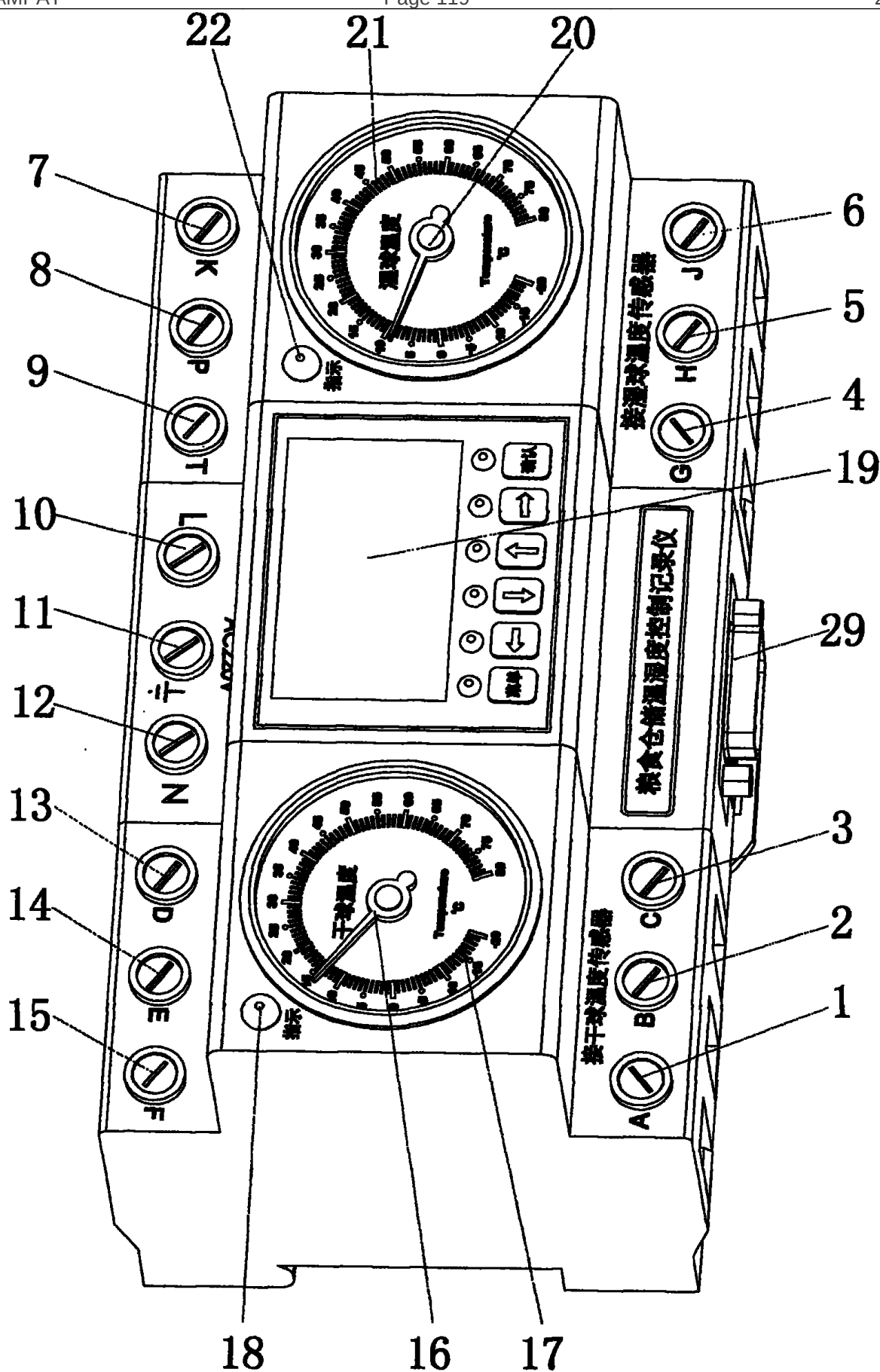
NGK SPARK PLUG

Family 81/100 - FAMPAT - ©Questel

Title

(CN201540500U)

Grain storage **temperature** and humidity control recording instrument**Images**



Publication data including kind & date

CN201540500

U 2010-08-04 CN201540500U



Abstract

(CN201540500)

The utility model discloses a **grain** storage **temperature** and humidity control recording instrument. The recording instrument comprises an instrument casing, a dry-bulb and wet-bulb **temperature** scale dial, a liquid crystal display, a light

touch button, a stepping motor and a special control chip. The recording instrument is characterized in that the instrument adopts a display interface combining a LCD screen with a **temperature** and humidity scale dial; the dry-bulb and wet-bulb **temperature** scale dial and the corresponding pointer respectively indicate the present dry-bulb and wet-bulb temperatures in a granary detected by a **sensor**; the LCD can be used for inquiring and displaying historical records of **temperature** and humidity in the granary; the special control chip timely selects the mechanical ventilation or humidity-reducing motion according to control strategy, so as to adjust and improve **temperature** and humidity in the granary; the **temperature** and humidity control management of the one-main and multi-secondary collecting-distributing granaries in a **grain** supply center is realized due to telecommunication of a RS-485 interface and a host computer; and the instrument casing takes a convex shape; a guide rail mounting structure integrates control, record and management into a whole; moreover, the recording instrument has the characteristics of compact structure, visual observation and high control accuracy.

Inventors

PENG XINAN

XIE WEN

PENG CHENG

MAO KE

LU WENBO

XUN QINGLAI

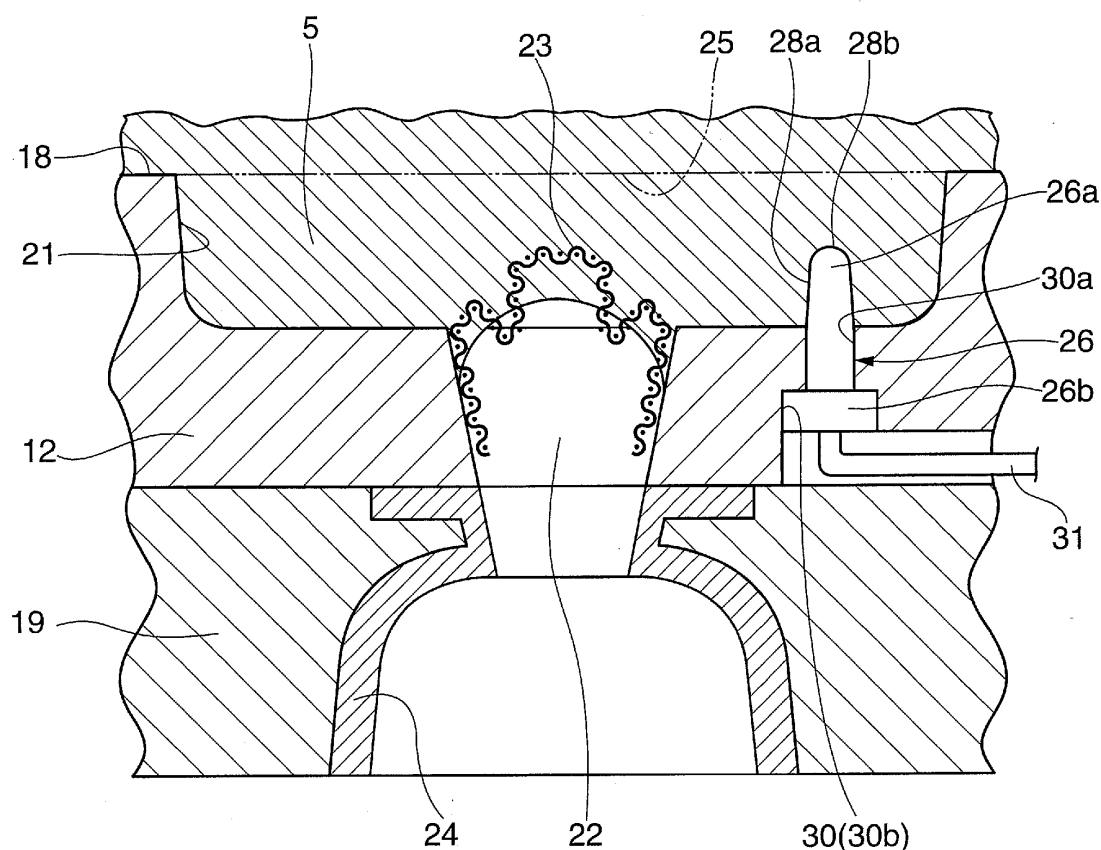
Family 82/100 - FAMPAT - ©Questel

Title

(WO200570592)

Casting machine

Images



Publication data including kind & date

[WO2005/070592](#)

A1 2005-08-04

WO200570592

[JP2005205435](#)

A 2005-08-04

JP2005205435



JP4430411	B2	2009-12-25	JP4430411				
TW200600230	A	2006-01-01	TW200600230				
KR20060121935	A	2006-11-29	KR20060121935				
TH71979	A	2005-11-07	TH--71979				
TH30931	B	2011-10-06	TH--30931B				
CN1910000	A	2007-02-07	CN1910000				
CN100400202	C	2008-07-09	CN100400202C				
IN1951/KOLNP/2006	A	2007-05-18	IN2006KN01951				
IN254685	B	2012-12-07	IN-254685				
BRPI0506946	A	2007-06-12	BR200506946				
BRPI0506946	A1	2007-06-12	BRPI0506946				
BRPI0506946	A2	2013-03-19	BR200506946				
BRPI0506946	B1	2013-11-12	BR200506946				
VN0011177	B	2013-04-25	VN--11177B				

Abstract

(WO2005/070592)

A **temperature sensor** (26) is installed at a portion (runner (21)) at which a molten metal (5) solidifies after the molten metal in cavities (14, 18) in a lower metal mold (12) solidifies. A **temperature** detecting section (28a) of the **temperature sensor** (26) is made to be in direct contact with the molten metal (5).

Inventors

YOSHII HIROSHI

ODA TAKASHI

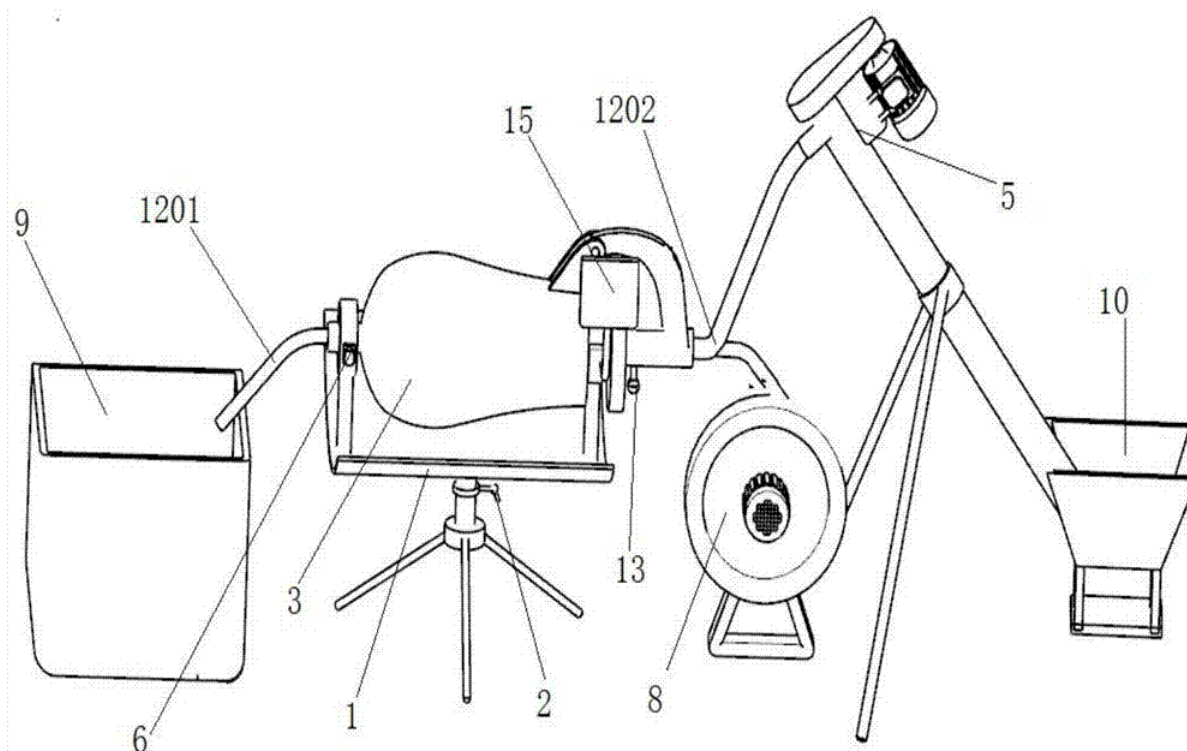
Latest standardized assignees - inventors removed

YAMAHA MOTOR

Family 83/100 - FAMPAT - ©Questel

Title

(CN108813710)

Solar cooker-type **grain** puffing device**Images**

Publication data including kind & date

CN108813710

A 2018-11-16

CN108813710

**Abstract**

(CN108813710)

The present invention relates to a solar cooker-type **grain** puffing device, and belongs to the technical field of agricultural product production equipment. The invention aims to constitute the solar cooker-type **grain** puffing device which is consists of a solar cooker, a sunlight tracking device, a puffing cavity, a pressure **sensor**, a **grain** lifter, a motor, a microcontroller, a fan, a food bin, a **grain** bin, an electric control valve, a pipeline, an air release valve and a weighing device and a touch screen controller. The device uses the principle of old-fashioned popcorn machines for reference, and uses sunlight focal plane as a heat source. The solar cooker forms a sunlight focal plane on the outer surface of the puffing cavity so as to heat, **press** and puff **grain** in the puffing cavity; the sunlight tracking device solves the problem of the guiding of condenser rotation; the pressure **sensor** monitors the air pressure in the puffing cavity; the **grain** lifter solves the problem of **grain** addition into the puffing cavity; the fan solves the problem that puffed **grain** is blown out of a puffing cavity; the food bin solves the problem of the storage of puffed products; and the weighing device solves the problem of the controlling of **grain** amount.

Inventors

THE INVENTOR HAS WAIVED THE RIGHT TO BE MENTIONED

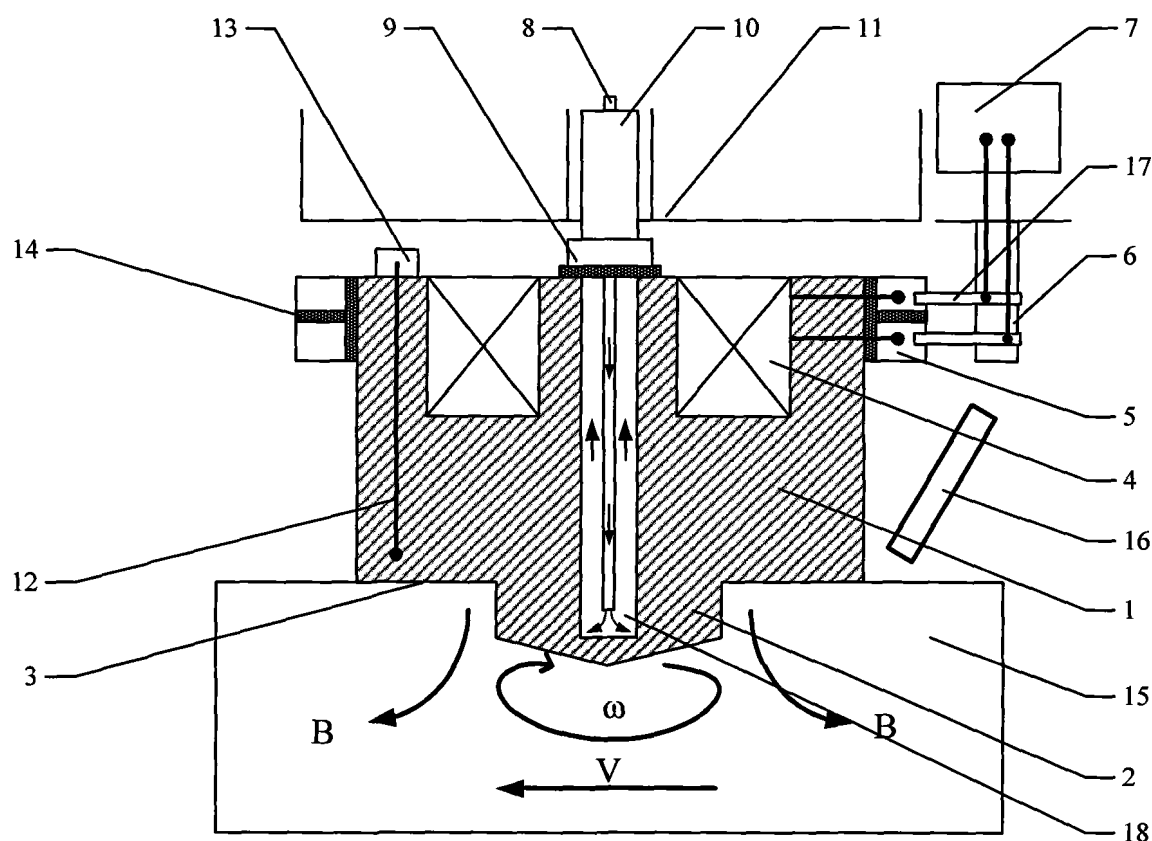
Latest standardized assignees - inventors removed

CHEN TONGYUN

Family 84/100 - FAMPAT - ©Questel

Title

(CN101537529B)

Pin tool for friction stir welding and ultrafine **grain** preparation method thereof**Images****Publication data including kind & date**

CN101537529

A 2009-09-23

CN101537529

CN101537529

B 2011-03-30

CN101537529B



Abstract

(CN101537529)

The invention discloses a pin tool used for friction stir welding, which integrates an electromagnetic vibration system, an electromagnetic action system, an internal forced cooling system, a gas-shielded forced cooling system, a **temperature** induction system and a sealing and insulation system, and is an integrated pin tool used for friction stir welding, which has the functions of electromagnetic vibration in-situ composite electromagnetic action, forced **temperature** control, gas shielding and **temperature** detection, and a device thereof is further disclosed, and can be applied in electromagnetic vibration in-situ composite electromagnetic action friction stir welding and the preparation of ultrafine **grain** materials with large thickness and large area by severe plastic deformation.

Inventors

LUO JIAN

WANG YING

Latest standardized assignees - inventors removed

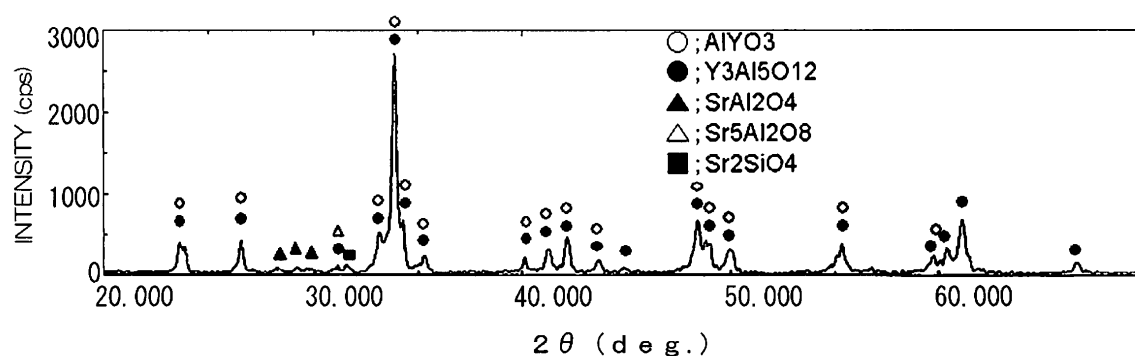
CHONGQING UNIVERSITY

Family 85/100 - FAMPAT - ©Questel

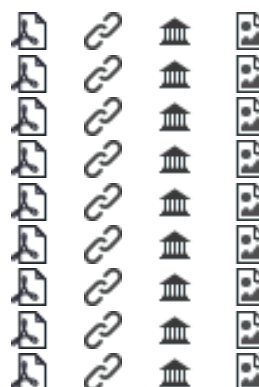
Title

(EP1564197)

Sintered compact for thermistor element, process for producing the same, thermistor element and **temperature sensor**

Images**Publication data including kind & date**

EP1564197	A1	2005-08-17	EP1564197
EP1564197	A4	2011-04-13	EP1564197
EP1564197	B1	2013-01-16	EP1564197
WO2004/046061	A1	2004-06-03	WO200446061
US20060186385	A1	2006-08-24	US20060186385
US7556745	B2	2009-07-07	US7556745
JP2004217500	A	2004-08-05	JP2004217500
JP2004221519	A	2004-08-05	JP2004221519
JP4307152	B2	2009-05-15	JP4307152

**Abstract**

(EP1564197)

A sintered body for thermistor element of the invention is a sintered body for thermistor element containing Sr, Y, Mn, Al, Fe, and O, wherein not only respective liquid crystal phases of a perovskite type oxide and a garnet type oxide are contained, but also a liquid crystal phase of at least one of an Sr-Al based oxide and an Sr-Fe based oxide. FeYO₃ and/or AlYO₃ is selected as the foregoing perovskite type oxide, and at least one member selected from Y₃Al₅O₁₂, Al₂Fe₃Y₃O₁₂, and Al₃Fe₂Y₃O₁₂ is selected as the foregoing garnet type oxide, respectively by the powder X-ray diffraction analysis.

Inventors

CHOSOKABE TAKAAKI
IWAYA MASAKI
YAMADA NAOKI
TAKANO WAKAKO

Latest standardized assignees - inventors removed
NGK SPARK PLUG

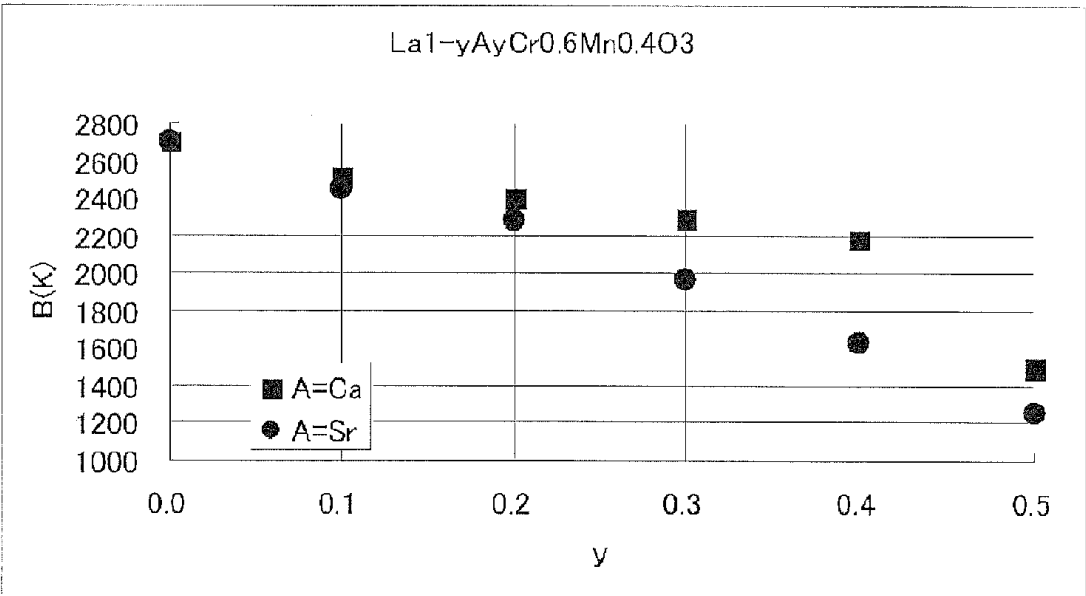
Family 86/100 - FAMPAT - ©Questel

Title

(WO201086915)

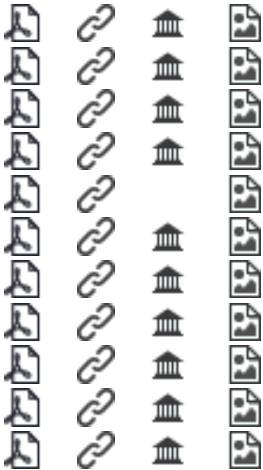
Sintered metal oxide for thermistor, thermistor element, thermistor **temperature sensor** and method for producing sintered metal oxide for thermistor

Images



Publication data including kind & date

WO2010/086915	A1	2010-08-05	WO201086915
US20110273265	A1	2011-11-10	US20110273265
US8466771	B2	2013-06-18	US8466771
DE112009004324	T5	2012-06-21	DE112009004324
GB201111351	D0	2011-08-17	GB201111351
GB2479293	A	2011-10-05	GB2479293
GB2479293	B	2014-11-05	GB2479293
JP2010173908	A	2010-08-12	JP2010173908
JP5526552	B2	2014-04-25	JP5526552
CN102300829	A	2011-12-28	CN102300829
CN102300829	B	2014-04-23	CN102300829B



Abstract

(WO2010/086915)

Disclosed is a sintered metal oxide used for thermistors, which includes a complex oxide represented by the following general formula: $\text{La}_{1-y}\text{A}_y(\text{Cr}_{1-x}\text{Mn}_x)\text{O}_3$ (wherein A represents at least one of Ca and Sr, and x and y satisfy $0.0 \leq x \leq 1.0$ and $0.0 < y \leq 0.7$). Also disclosed is a thermistor element (3) comprising a sintered metal oxide (2) for thermistors and at least a pair of lead wires (1) each having an end affixed to the sintered metal oxide (2) for thermistors.

Inventors

FUJITA TOSHIAKI

FUJIWARA KAZUTAKA

YAMAGUCHI TAKASHI

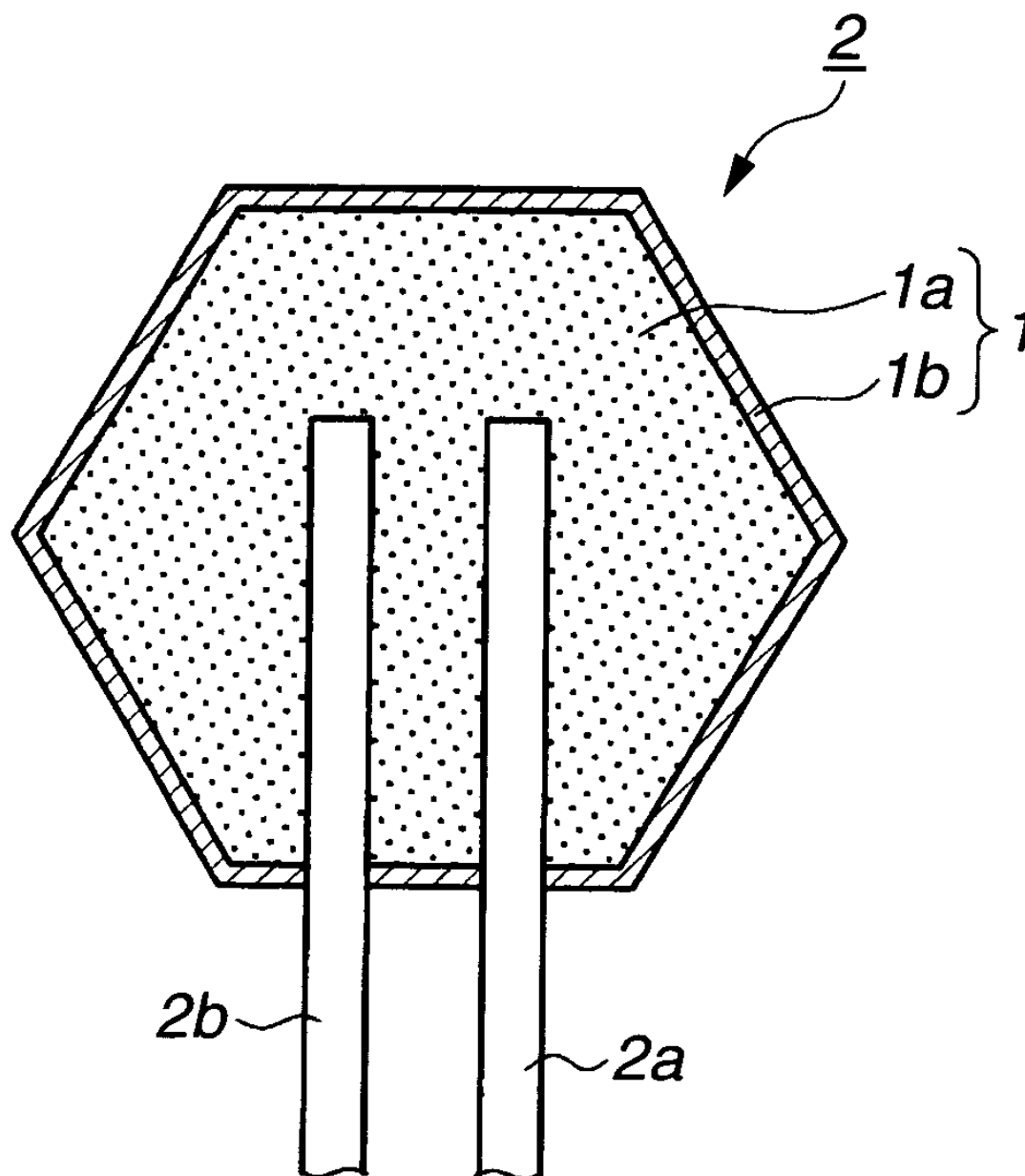
Latest standardized assignees - inventors removed

MITSUBISHI MATERIALS

Family 87/100 - FAMPAT - ©Questel

Title

(EP1821319)

Thermistor element, thermistor element production method and thermistor **temperature sensor****Images****Publication data including kind & date**

EP1821319	A1	2007-08-22	EP1821319
EP1821319	B1	2017-04-19	EP1821319
US20070188295	A1	2007-08-16	US20070188295
US7633371	B2	2009-12-15	US7633371
JP2007220912	A	2007-08-30	JP2007220912
JP5059332	B2	2012-08-10	JP5059332
CN101022046	A	2007-08-22	CN101022046



CN101022046

B 2011-03-16 CN101022046B

Abstract

(EP1821319)

A thermistor element (2) includes a thermistor body (1a) and a reduction-resistant coating (1b) covering the thermistor body. The thermistor body (1a) contains a perovskite phase of perovskite-type crystal structure represented by the composition formula: ABO_3 where A is at least one A-site element and B is at least one B-site element. The reduction-resistant coating (1b) is formed of a complex oxide containing one or more of the at least one A-site element and one or more of the at least one B-site element.

Inventors

MIZOGUCHI YOSHIHITO

OKIMURA YASUYUKI

MITSUOKA TAKESHI

OHBAYASHI KAZUSHIGE

Latest standardized assignees - inventors removed

NGK SPARK PLUG

Family 88/100 - FAMPAT - ©Questel

Title

(EP1889927)

Grain oriented electromagnetic steel sheet having excellent film adhesion and process for producing the same**Images**

试样 符号	添加剂成分					
	X 系成分	X 添加量 (%)	Ti系成分	Ti添加量 (%)	Y 系成分	Y 添加量 (%)
①	La_2O_3	3.0	Ti_2O_3	7	$Y_2(SO_4)_3$	3.0
②	$La(OH)_3$	1.0	TiO_2	2	$SrSO_4$	3.0
③	$La_2SO_4 \cdot 7H_2O$	3.0	无	0	无	0.0
④	Pr_6O_{11}	8.0	无	0	$Ca(OH)_2$	2.0
⑤	$Pr_2(SO_4)_3 \cdot 8H_2O$	2.0	Ti_2O_3	3	$CaSO_4 \cdot 2H_2O$	5.0
⑥	Nd_2O_3	0.5	TiO_2	10	$Ca(CO_3)_2$	10.0
⑦	$Nd_2(SO_4)_3 \cdot 5H_2O$	10.0	Ti_2O_3	2	$Ba(OH)_2$	2.0
⑧	$Nd(NO_3)_3$	1.0	TiO_2	5	$BaSO_4$	8.0
⑨	Sc_2O_3	0.1	TiO_2	2	$Ba(CO_3)_2$	4.0
⑩	Y_2O_3	8.0	TiO_2	8	$CaSO_4 \cdot 2H_2O$	1.0
⑪	$Y_2(SO_4)_3$	0.2	TiO_2	1	$Sr(OH)_2$	1.0
⑫	CeO_2	2.0	TiO_2	6	$CaSO_4 \cdot 2H_2O$	0.2
⑬	$Ce(OH)_4$	1.0	TiO_2	3	$SrSO_4$	2.0
⑭	$Ce(SO_4)_2 \cdot 4H_2O$	0.5	Ti_2O_3	2	$Ca(OH)_2$	3.0
⑮	$Ce(OH)_4$	2.0	Ti_2O_3	1	$BaSO_4$	4.0
⑯	CeO_2	20.0	TiO_2	2	Y_2O_3	8.0
⑰	无	0.0	TiO_2	2	$Ba(OH)_2$	5.0
⑱	无	0.0	TiO_2	2	无	0.0

Publication data including kind & date

EP1889927 A1 2008-02-20 EP1889927

EP1889927 A4 2009-10-28 EP1889927

EP1889927 B1 2015-07-01 EP1889927

WO2006/126660 A1 2006-11-30 WO2006126660



US20090047537	A1	2009-02-19	US20090047537				
US7887646	B2	2011-02-15	US7887646				
JPWO2006126660	A1	2006-11-30	JP2006126660W				
JP5230194	B2	2013-03-29	JP5230194				
JP2012214902	A	2012-11-08	JP2012214902				
JP5739840	B2	2015-05-01	JP5739840				
KR20080010439	A	2008-01-30	KR20080010439				
KR100979785	B1	2010-09-03	KR100979785				
CN101180411	A	2008-05-14	CN101180411				
CN101180411	B	2012-01-11	CN101180411B				
IN8723/DELNP/2007	A	2008-06-27	IN2007DN08723				
IN285453	B	2017-07-28	IN-285453				

Abstract

(EP1889927)

The present invention provides oriented magnetic steel plate with excellent coating adhesion, in particular coating edge peeling resistance, that is, oriented magnetic steel plate with excellent coating adhesion containing, by mass%, Si: 1.8 to 7% and having a primary coating having forsterite as its main ingredient on its surface, said oriented magnetic steel plate characterized in that said primary coating contains one or more of Ce, La, Pr, Nd, Sc, and Y in an areal weight per side of 0.001 to 1000 mg/m²; characterized in that said primary coating contains Ti in an areal weight per side of 1 to 800 mg/m²; and characterized in that said primary coating contains one or more of Sr, Ca, and Ba in an areal weight per side of 0.01 to 100 mg/m².

Inventors

NAMBA EIICHI

KUBO YUUJI

TAKEDA KAZUTOSHI

ARAI SATOSHI

HONMA HOTAKA

MURKAMI KENICHI

KOBAYASHI HIDEYUKI

Latest standardized assignees - inventors removed

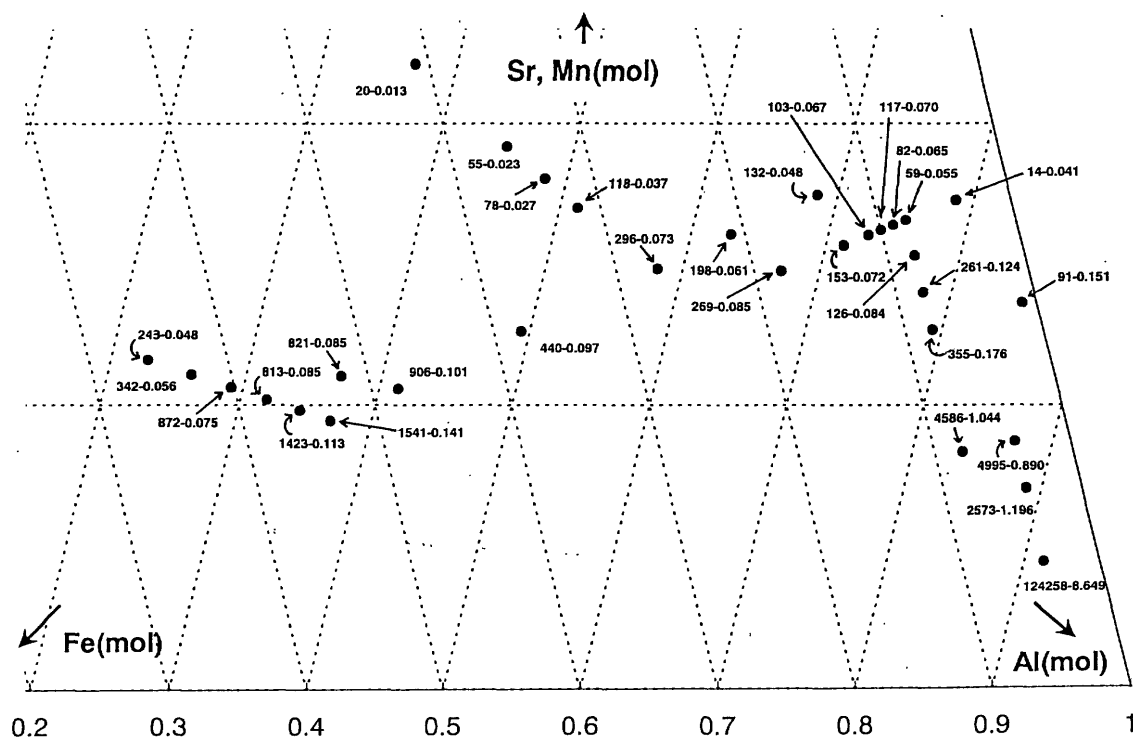
NIPPON STEEL & SUMITOMO METAL

Family 89/100 - FAMPAT - ©Questel

Title

(WO200342124)

Sintered product for thermistor element and method for production thereof, and **temperature sensor****Images**



Publication data including kind & date

WO03/042124	A1	2003-05-22	WO200342124
JP2004172640	A	2004-06-17	JP2004172640
JP3970851	B2	2007-06-15	JP3970851



Abstract

(WO03/042124)

A sintered product for a thermistor element containing Sr, Y, Mn, Al, Fe, Si and O, characterized in that it contains both crystal phases of a perovskite-type oxide and a garnet-type oxide and also contains at least one crystal phase of a Sr-Al based oxide and a Sr-Fe based oxide. In one embodiment, the crystal phase of the perovskite-type oxide is identified as YFeO_3 and/or YAlO_3 , and the crystal phase of the garnet-type oxide is identified as $\text{Y}_3\text{Al}_5\text{O}_{12}$ and/or $\text{Y}_3\text{Al}_2\text{Fe}_3\text{O}_{12}$, by the measurement of powder X-ray diffractometry.

Inventors

CHOSOKABE TAKAAKI
IWAYA MASAKI
YAMADA NAOKI

Latest standardized assignees - inventors removed

NGK SPARK PLUG

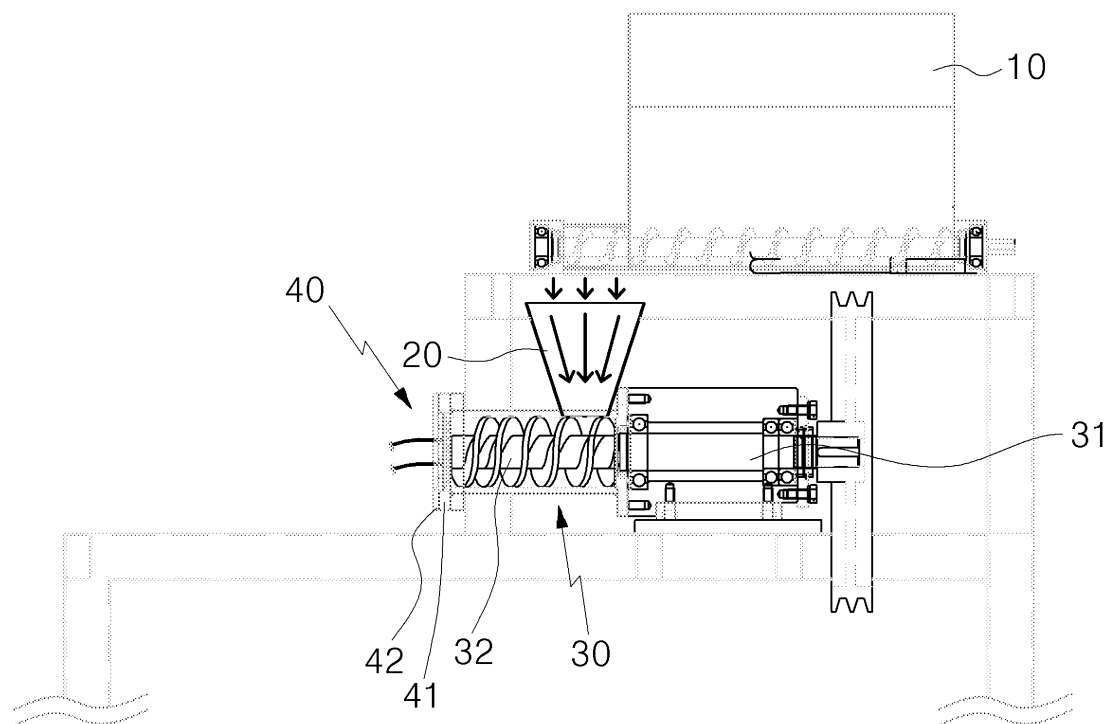
Family 90/100 - FAMPAT - ©Questel

Title

(KR101885002)

Apparatus for manufacturing snack foods of **grain** roast

Images



Publication data including kind & date

KR20180068343	A	2018-06-22	KR20180068343
KR101885002	B1	2018-08-03	KR101885002



Abstract

(KR20180068343)

The present invention relates to a manufacturing method of roasted **grain** food snacks, which kneads flour or **grain** powder which include moisture and are injected through a transferring part, simultaneously transfers and discharges the flour and the **grain** powder through a discharge part, and presses out flour and **grain** powder dough discharged through a discharge part, and roasts and discharges dough through heat occurring therefrom. The manufacturing method of roasted **grain** food snacks comprises: an injecting part which is formed at discharging holes of a providing part for providing flour or **grain** powder and receives the discharged flour and **grain** powder; a transferring part which is formed at the bottom side of the injecting part and mixes, kneads, and transfers flour or **grain** powder through screws; a discharging part which is formed at the end of the transferring part and compresses kneaded flour and **grain** powder to be discharged; a **temperature sensor** which is formed at the discharging part and detects **temperature** in the discharging part; and a controlling part which is connected to the **temperature sensor** and the transferring part and adjusts transferring speed of the transferring part through **temperature** in a discharging part detected through the **temperature sensor**. Food snacks are manufactured by roasting the flour and **grain** powder with heat occurring by pressure of a transferring part and discharging part.

Inventors

CHOI, HANG SEOK

Latest standardized assignees - inventors removed

EOM JI YONG

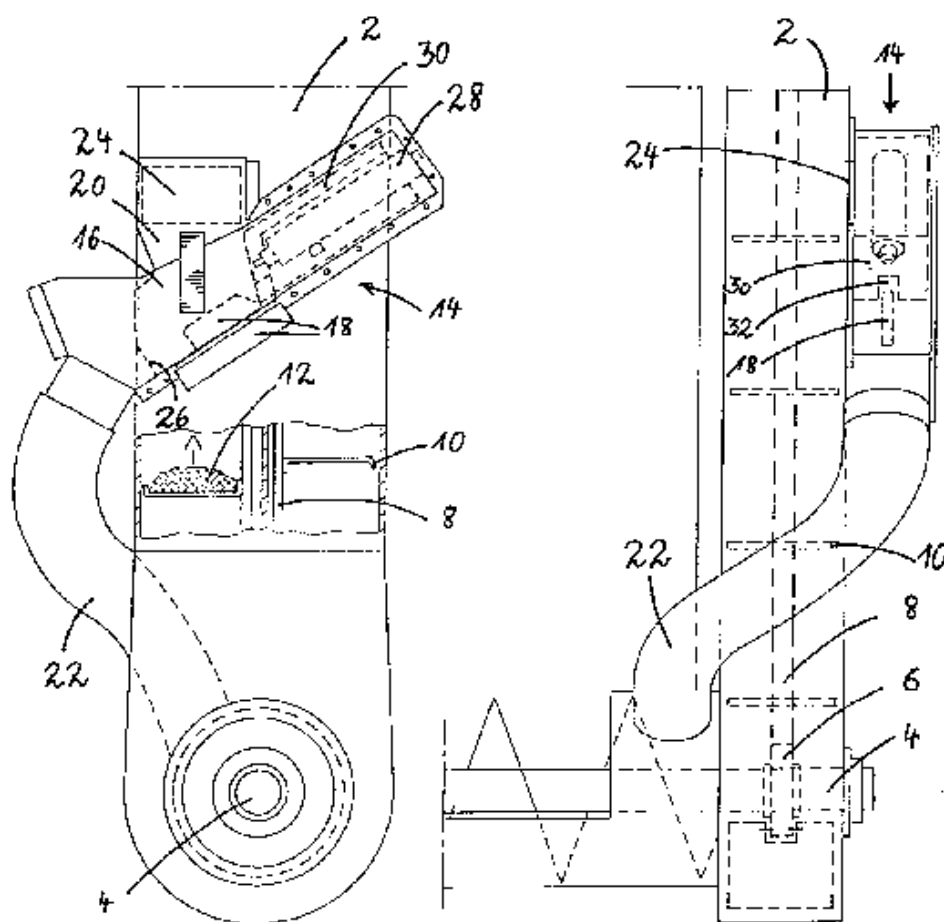
Family 91/100 - FAMPAT - ©Questel

Title

(EP-908086)

Device for moisture measuring of **grain** in harvesting machines

Images

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

EP0908086	A1	1999-04-14	EP-908086
EP0908086	B1	2003-01-08	EP-908086
EP0908086	B2	2006-06-07	EP-908086
US6155103	A	2000-12-05	US6155103
US6327899	B1	2001-12-11	US6327899
DE19744485	A1	1999-04-15	DE19744485
DE59806851	D1	2003-02-13	DE59806851
DK0908086	T3	2003-04-28	DK-908086T
DK0908086	T4	2006-07-10	DK-908086T

**Abstract**

(EP0908086)

Items to be measured are taken from the body of harvested material as it flows by, and fed into a measuring area (16) coupled up to a moisture **sensor** (18). When measured, items can be fed back into the body of the harvested material, as it flows by.

Inventors

BEHNKE WILLI

DIEKHANS NORBERT DR

EGGENHAUS GEORG

WESSELMANN WINFRIED

Latest standardized assignees - inventors removed

CLAAS SELBSTFAHRENDE ERNTEMASCHINEN

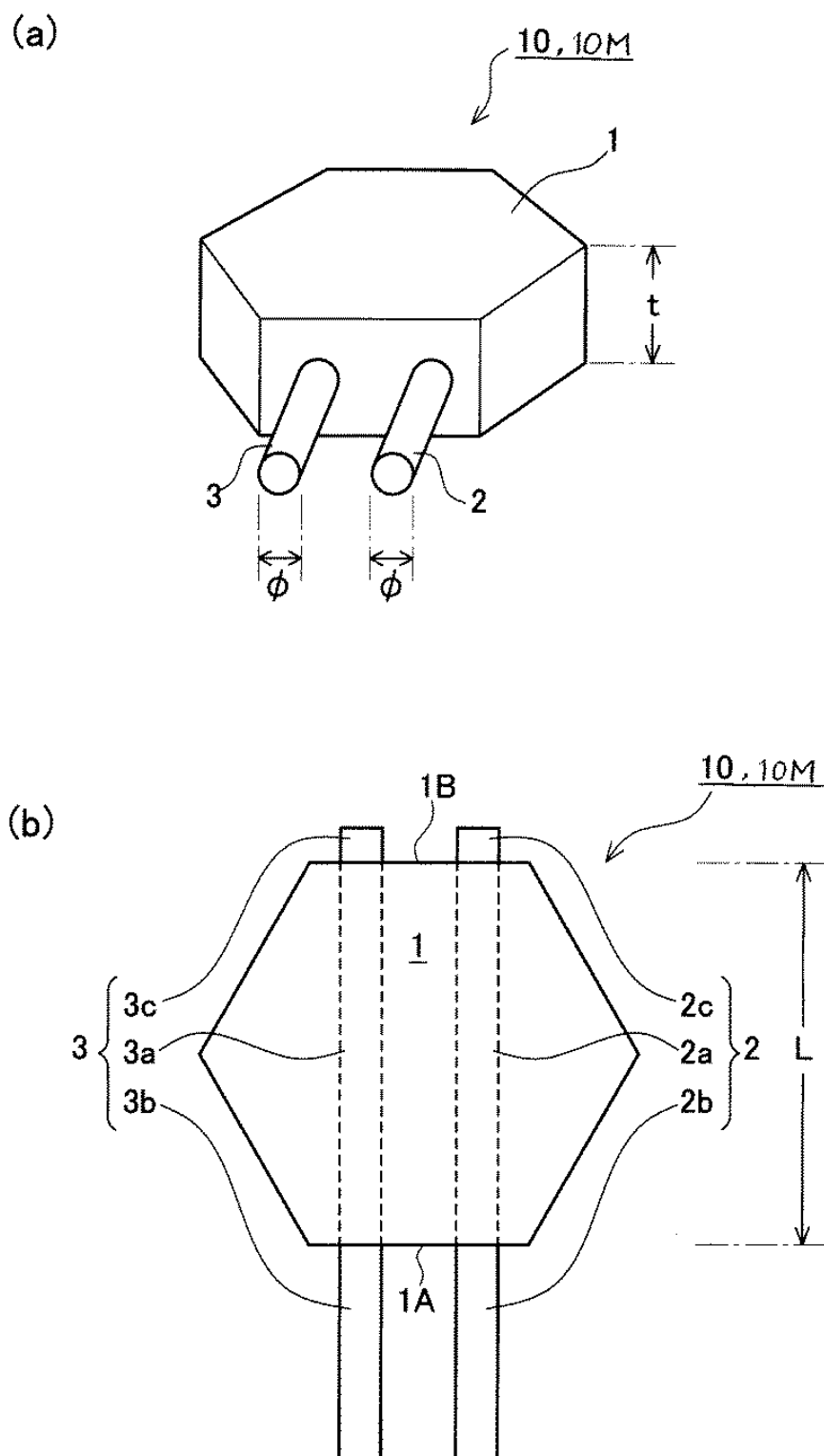
Family 92/100 - FAMPAT - ©Questel

Title

(JP2008098452)

Thermistor element, **temperature sensor** using this, and method of manufacturing thermistor element

Images



Publication data including kind & date

JP2008098452	A	2008-04-24	JP2008098452
JP4996196	B2	2012-05-18	JP4996196



Abstract

(JP2008098452)

PROBLEM TO BE SOLVED: To provide a thermistor element capable of providing an appropriate resistance value within a **temperature** range of -40 to 900 deg.C, along with a **temperature sensor** using the same, and a method of manufacturing the thermistor element.

SOLUTION: A thermistor element 10 includes a thermistor element body 1 made from a conductive oxide baked body

whose B constant is $B(-40 \text{ to } 900) = 2.00 \times 10^3 \text{ to } 3.00 \times 10^3 \text{ K}$, a first electrode wire 2 comprising a first electrode part 2a which, having a circular cross section, penetrates it and extends linearly, and a second electrode wire 3 which constitutes a pair together with the first electrode wire 2 and comprises a second electrode part 3a which, having a circular cross section, penetrates the thermistor element body 1, in parallel to the first electrode part 2a, extending linearly. The thermistor element 10 has such electrode dimension ratio D/L as the range of formula (1).

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Inventors

Wakako Takano

Latest standardized assignees - inventors removed

NGK SPARK PLUG

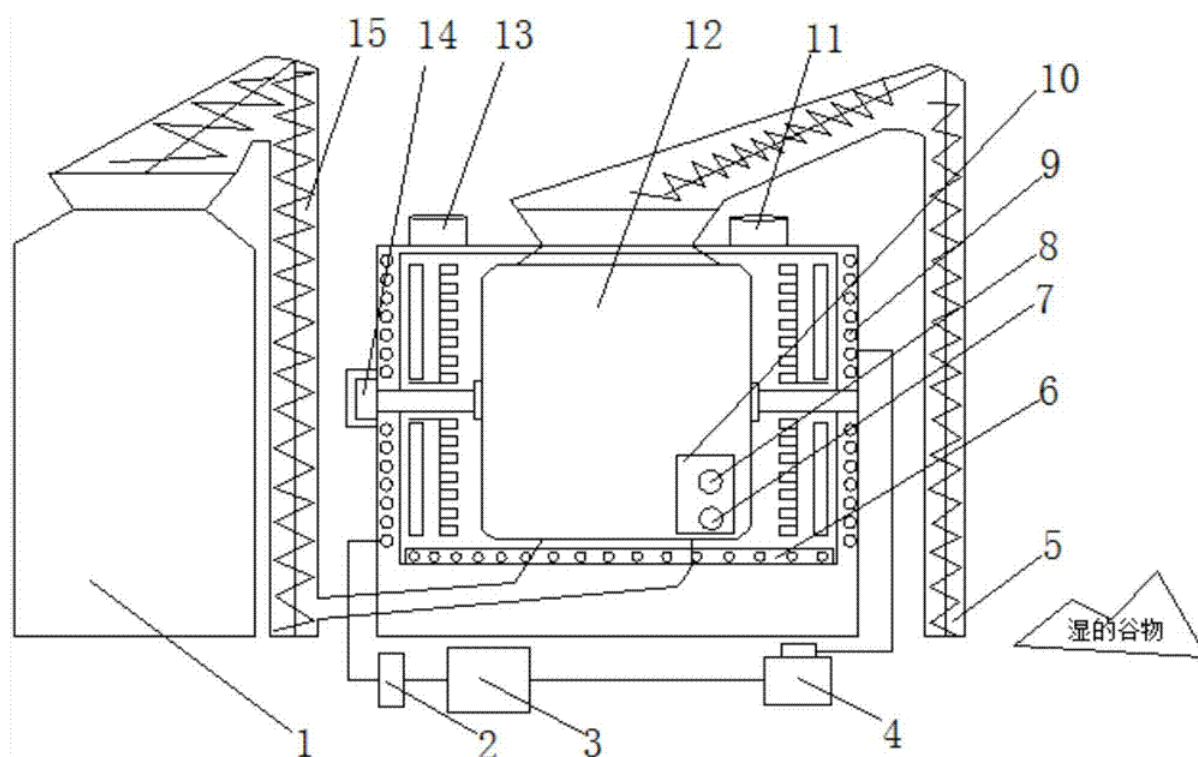
Family 93/100 - FAMPAT - ©Questel

Title

(CN108489221)

Grain dehumidification drying system and drying method thereof

Images



Publication data including kind & date

[CN108489221](#)

A 2018-09-04 CN108489221



Abstract

(CN108489221)

The invention relates to the field of agricultural processing equipment, discloses a **grain** dehumidification drying system and a drying method of the **grain** dehumidification drying system and aims to achieve the effects that the cost of **grain** drying is reduced, pollution to the environment in the drying process is avoided, and the dehumidification effect is achieved efficiently and rapidly. The system comprises a user mobile phone and further comprises an execution module. The execution module comprises a first lifting machine and a second lifting machine for carrying grains, a box body for storing the grains, a **temperature** control component and a humidity **sensor** installed on the box body and used for detecting the **grain** humidity in the box body, wherein the **temperature** control component is arranged on the outer wall of the box body and used for producing the **temperature** of the environment where the box body is located. The first lifting machine carries the grains into the box body, the humidity **sensor** detects the **grain** humidity value in the box body in real time and sends the **grain** humidity value to the **temperature** control component, the **temperature** control component adjusts the environment **temperature** according to the **grain** humidity value to dry the grains, and the second lifting machine carries the dried grains

into a **grain** storage cabin to be stored.

Inventors

SUN SONGLIN

PENG CAIWANG

JIANG PIN

XIE FANGPING

HU WENWU

Latest standardized assignees - inventors removed

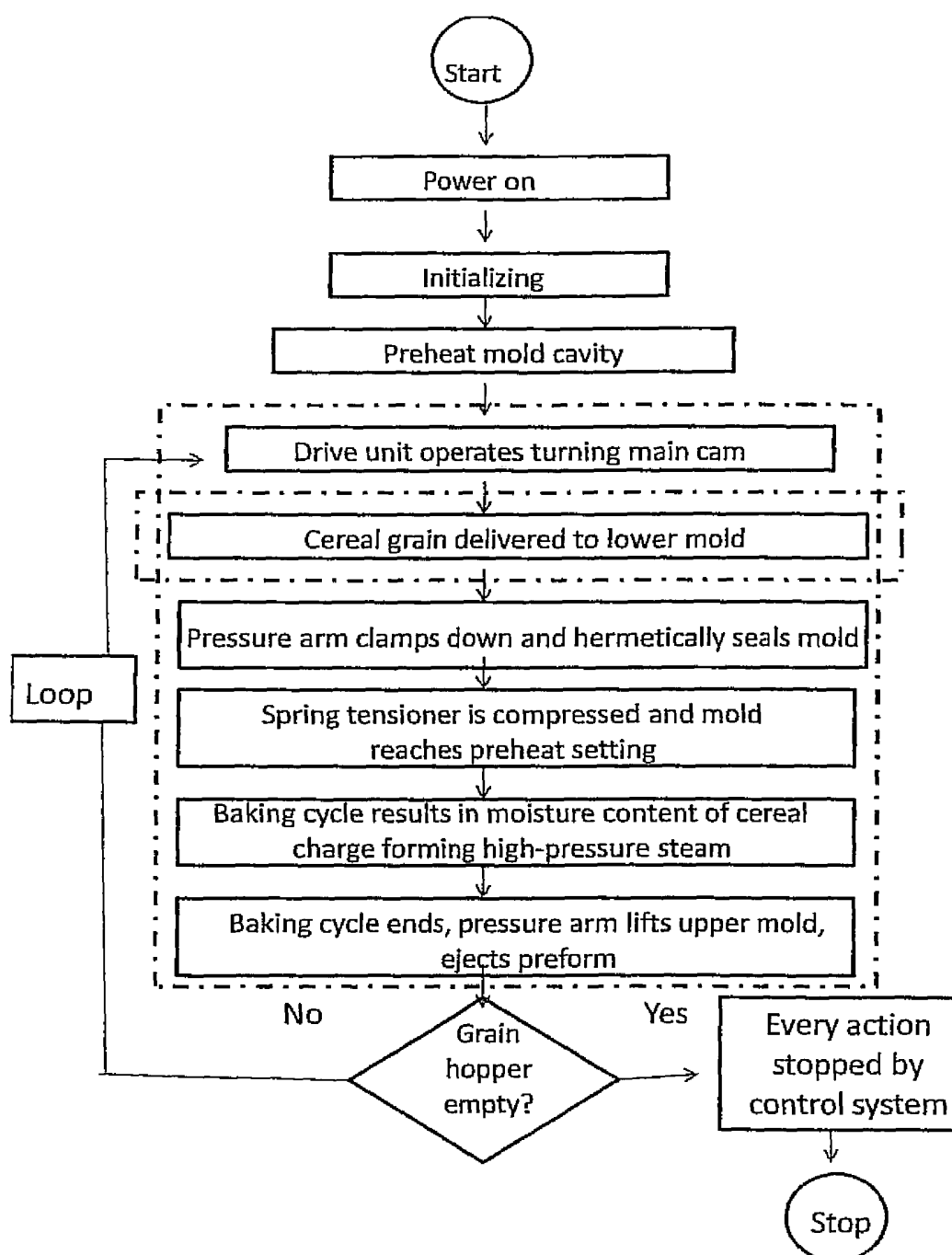
HUNAN AGRICULTURAL UNIVERSITY

Family 94/100 - FAMPAT - ©Questel

Title

(US8287263)

Machine for producing expanded-**grain** cakes

Images

Publication data including kind & date

US20110293766	A1	2011-12-01	US20110293766				
US8287263	B2	2012-10-16	US8287263				
US20120021099	A1	2012-01-26	US20120021099				
US8568122	B2	2013-10-29	US8568122				
KR101030073	B1	2011-05-11	KR101030073				

Abstract

(US20110293766)

Disclosed herein is a machine for producing expanded-grain cakes. The machine includes a frame, a mold unit, a grain supply unit, a grain transfer unit, a mold pressure arm, a drive unit, an open cam, a control unit and a cover unit. A precise charge of cereal grain is metered at the grain supply unit and in synchronism with the mold open cycle, distributed evenly over the mold cavity. Then with the mold unit clamped closed, the charge is heated and, at the end of the baking cycle, a preform is produced with gases at high pressure entrained therewithin. Upon release from the mold, the preform expands to a grain cake of the desired size. The machine controls the thermal energy input, the cycle frequency, the size of the grain charge, and the ejection trajectory. Several interrupts are used to ensure conformance to the control parameters and to enhance operator safety.

Inventors

CHO YOON SANG

Latest standardized assignees - inventors removed

GOKO INTERNATIONAL

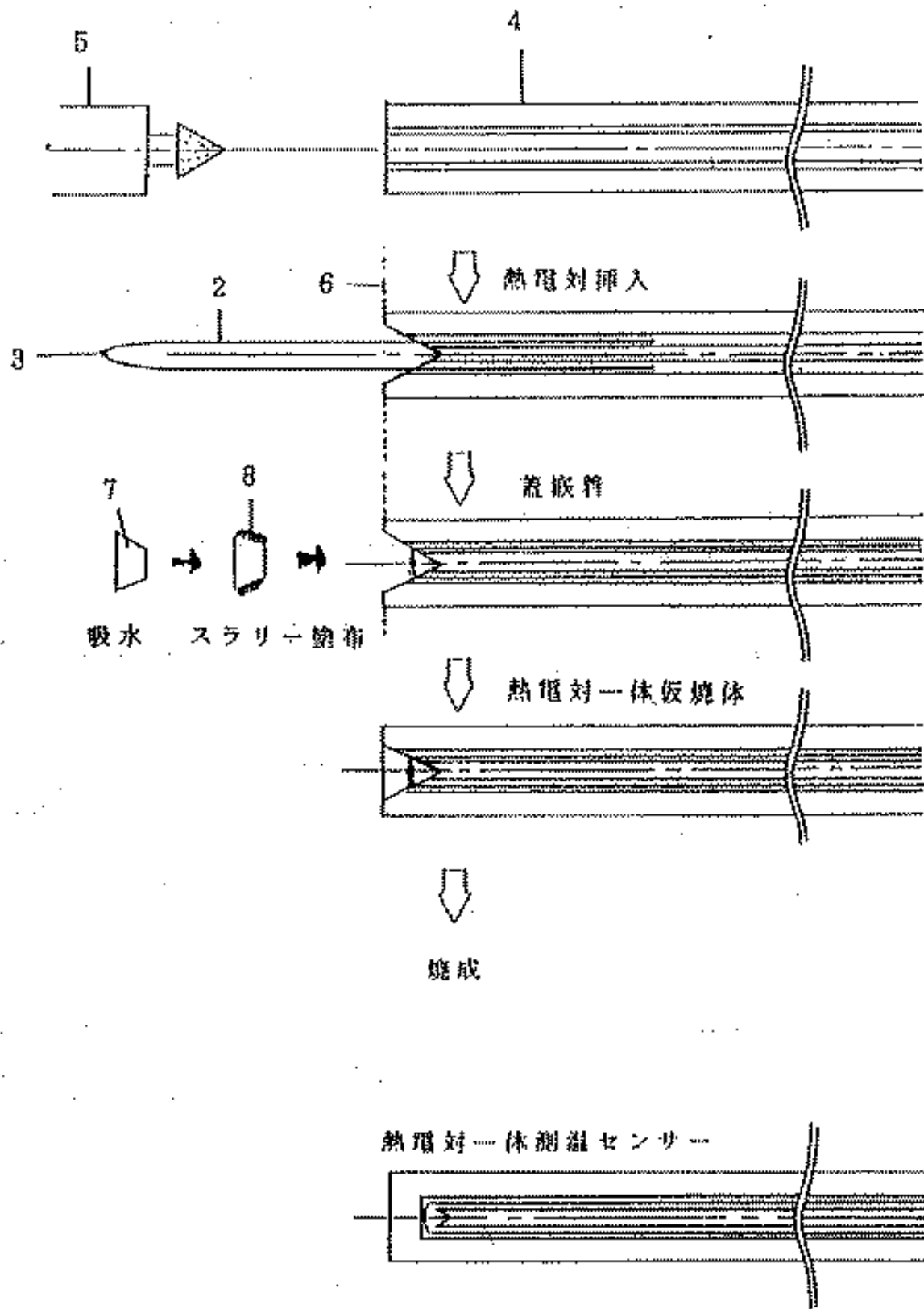
Family 95/100 - FAMPAT - ©Questel

Title

(JP08015047)

Production for temperature measuring sensor in which thermocouple and protection tube are integrated

Images



Publication data including kind & date

JP08015047	A	1996-01-19	JP08015047
JP3641759	B2	2005-02-04	JP3641759



Abstract

(JP08015047)

PURPOSE: To obtain a **sensor** with a superior **temperature** response by embedding two element wires of a thermocouple in one piece in ceramic base, electrically connecting the two element wires as a **temperature** measuring junction, covering the junction side of the base formation body with similar base to seal the end, and subjecting the formation body to an integral glast burning. CONSTITUTION: Thermocouple element wires 2 are embedded in ceramic base to form in one. Both ends

are cut and both element wires 2 are withdrawn out of the base formation body 1 to connect and welded with a TIG welder 3. By drawing back the element wires 2, only the **temperature** measuring junction is slightly projected from the end, body 5 of the same component as the formation body 1 is put on the formation body 1, and the junction 4 is sealed in. The formation body 1 of which end seal is completed, is tentatively calcinated at ca. 800 deg.C for ca. 60min and then subjected to a glost burning in oxidation atmosphere at ca. 1350 deg.C for ca. 120min. By this, the outer diameter can be reduced by avoiding the protection tube and **temperature** response is improved.

Inventors

ICHINOSE MASANOBU

Sumihiko Kurita

Latest standardized assignees - inventors removed

NIPPON STEEL

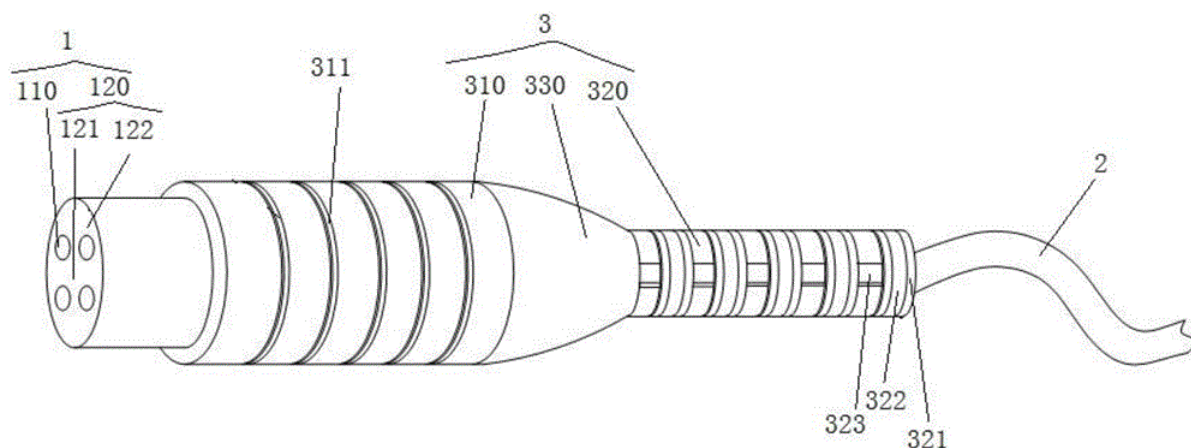
Family 96/100 - FAMPAT - ©Questel

Title

(CN208849116U)

Temperature sensor connection line of the outer plug

Images



Publication data including kind & date

[CN208849116](#) U 2019-05-10 CN208849116U



Abstract

(CN208849116)

The present utility model relates to a **temperature sensor** of the line connecting the outer plug, which cooperate with the inner plug includes a plug portion, the connecting wires, the fixing portion; plug portion is provided with a jack, the jack by cladding the insulating structure; plug portion and the fixing portion is provided inside a wiring circuit, the connecting wires through wire circuit is connected with the sockets; fixing unit includes a hand-held portion, the connection line for covering the outside of the heat dissipating portion, a transition section for connecting the holder and the heat radiating section, hand-held portion, transition portion, heat dissipating portion of the cross-sectional area decreasing in sequence, hand-held portion, transition portion, heat dissipating portion are integrally **press**-formed by engineering plastic; hand-held portion and the insulating structure is sealed tight connection, a peripheral portion with a plurality of slip veins handheld; radiating part and a connecting wire insulation structure sealingly secured connection, heat radiating part radiating ring projects from the periphery, and a heat radiation groove concave radiating ring; heat radiating part is provided with axially extending ribs along a plurality of heat dissipation, heat dissipation between two adjacent ribs is disposed. Good insulating properties, not easily hot.

Inventors

ZHANG LIANGCHEN

WANG QIUHONG

ZHANG QIONG

Latest standardized assignees - inventors removed

HENAN AIBOTE SCIENCE & TECHNOLOGY DEVELOPMENT

Family 97/100 - FAMPAT - ©Questel

Title

(CN106854080)

Method for preparing compact ultrafine-grain boron carbide ceramic material with reduced sintering temperature

Publication data including kind & date[CN106854080](#)

A

2017-06-16

CN106854080

**Abstract**

(CN106854080)

The invention discloses a method for preparing a compact ultrafine-grain boron carbide ceramic material with a reduced sintering temperature. The method comprises the following steps: selecting coarse boron carbide powder with an average particle size of less than 20 [mu]m and carrying out ball milling and settlement so as to obtain ultrafine boron carbide powder with a particle size of less than 1 [mu]m; mixing the ultrafine boron carbide powder with MnNiCoCrFeX high-entropy alloy powder and carrying out ball milling so as to obtain B4C-MnNiCoCrFeX mixed powder; and subjecting the mixed powder to pressure sintering so as to obtain the compact ultrafine-grain boron carbide ceramic material with a reduced sintering temperature. According to the invention, the MnNiCoCrFeX high-entropy alloy powder is added into a boron carbide matrix, so a liquid phase is formed during high-temperature sintering and can fill in pores, and thus, the sintering densification temperature of the boron carbide ceramic material is effectively reduced, and energy consumption is decreased; and a boron carbide product with a density of greater than 99% is obtained after a temperature of 1900 DEG C is maintained for 5 min, and compared with the prior art, sintering temperature is reduced by 200 DEG C and heat preservation time is substantially shortened.

Inventors

YUAN TIECHUI

ZHANG MEI

LI RUIDI

ZHOU ZHIHUI

Latest standardized assignees - inventors removed

CENTRAL SOUTH UNIVERSITY

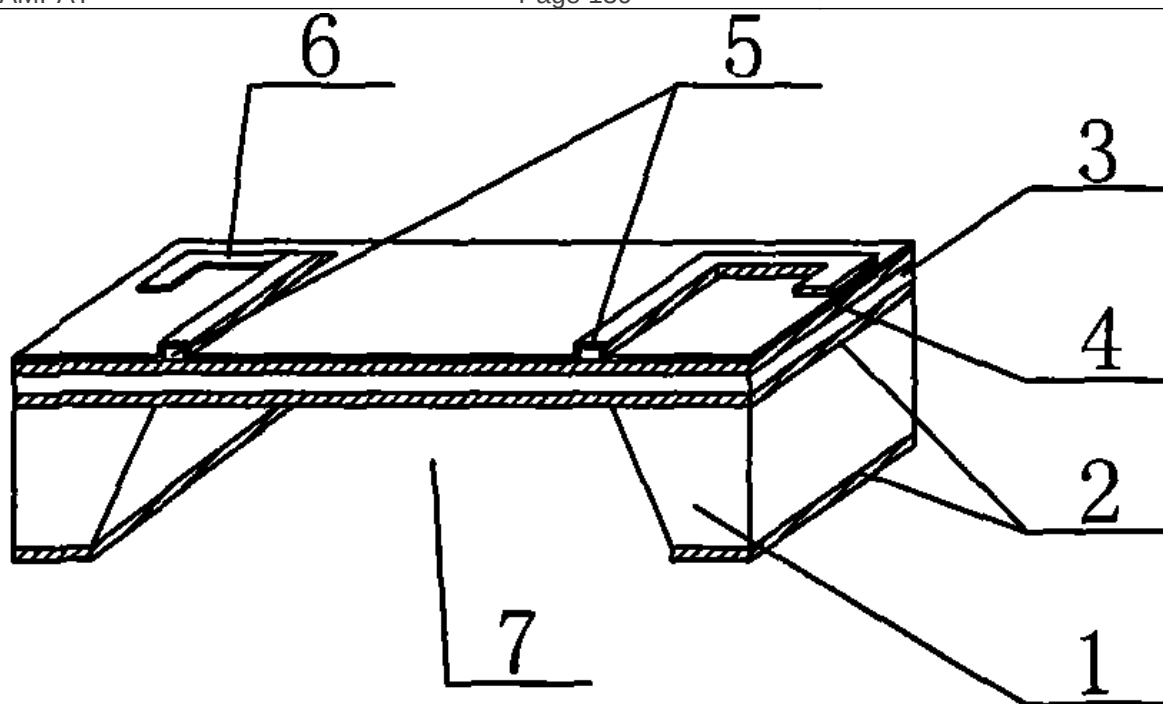
Family 98/100 - FAMPAT - ©Questel

Title

(CN101289160B)

0-100Pa monolithic silicon based SOI high-temperature low drift micropressure sensor and processing method thereof

Images



Publication data including kind & date

CN101289160	A	2008-10-22	CN101289160
CN101289160	B	2011-08-24	CN101289160B



Abstract

(CN101289160)

The invention relates to a 0-100pa single-chip silicon-on-insulator SOI super-low micro-pressure **sensor**, which has the advantages of comparatively high sensitivity and linearity, high-**temperature** resistance, simple technique, good technique consistency, low production cost and being suitable for mass production. Therefore, the invention also provides a method for processing the **sensor**. The chips comprises an N-shaped or P-shaped silicon substrate (1), two sides of which are covered with an insulation layer (2), a polysilicon layer (3) is deposited on the surface of the insulation layer (2); the surface of the polysilicon layer is a silicon dioxide layer (4), the surface of which is a polysilicon film layer which can generate polysilicon piezo-resistance (5); polysilicon inner lead (6) doped with dense boron is connected with the resistance (5); the surface of the polysilicon internal lead (6) is covered with aluminum lead (7); the back of the chip is provided with a square-shaped opening (10); polysilicon is taken as the substrate (1), which then goes through the processes of photoetching, depositing, injecting by adopting an ion beam machine, annealing, feeding dry oxygen-wet oxygen-dry oxygen, photoetching, TMAH wet etching or RIE dry etching, photoetching, dense-boron disspreading, front steaming and plating aluminum film, leading-out weld feet and wet-etching, etc.

Inventors

SHEN SHAOQUN

Latest standardized assignees - inventors removed

WUXI NANO MEMS

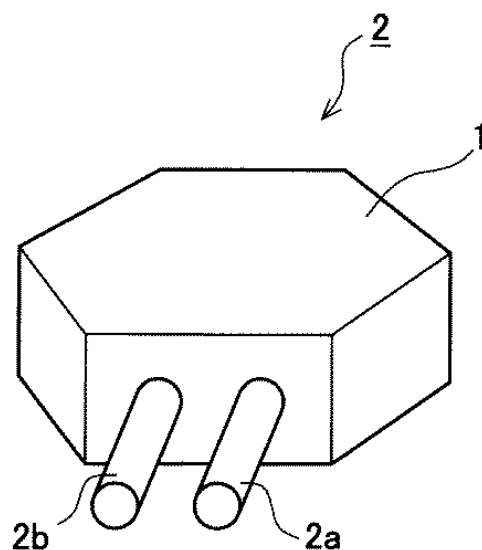
Family 99/100 - FAMPAT - ©Questel

Title

(JP2007246381)

Sintered electroconductive oxide, thermistor element using sintered electroconductive oxide, and **temperature sensor** using thermistor element

Images

**Publication data including kind & date**

JP2007246381	A	2007-09-27	JP2007246381
JP5053564	B2	2012-08-03	JP5053564

**Abstract**

(JP2007246381)

PROBLEM TO BE SOLVED: To provide a sintered electroconductive oxide capable of proper **temperature** measurements over the **temperature** range from a low **temperature** of -40 deg.C to a high **temperature** of 900 deg.C or higher, to provide a thermistor element using the sintered electroconductive oxide, and to provide a **temperature sensor** using the thermistor element.

SOLUTION: The sintered electroconductive oxide 1 used for the thermistor element 2 contains a perovskite phase, e.g., represented by composition formula: $M1_{(sub\ a)}M2_{(sub\ b)}M3_{(sub\ c)}Al_{(sub\ d)}Cr_{(sub\ e)}O_{(sub\ f)}$ where M1 is at least one of elements of group 3A other than La; M2 is at least one of elements of group 2A; M3 is at least one of elements of groups

4A, 5A, 6A, 7A and 8 other than Cr; and that a, b, c, d, e and f satisfy prescribed conditional expressions, and t least one metal oxide phase $\text{MeO}(\text{sub } x)$ composed of at least one metal element Me of the perovskite phase.

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Inventors

Yoshito Mizoguchi

Yasuyuki Okimura

Ken Mitsuoka

OBAYASHI KAZUE

Latest standardized assignees - inventors removed

NGK SPARK PLUG

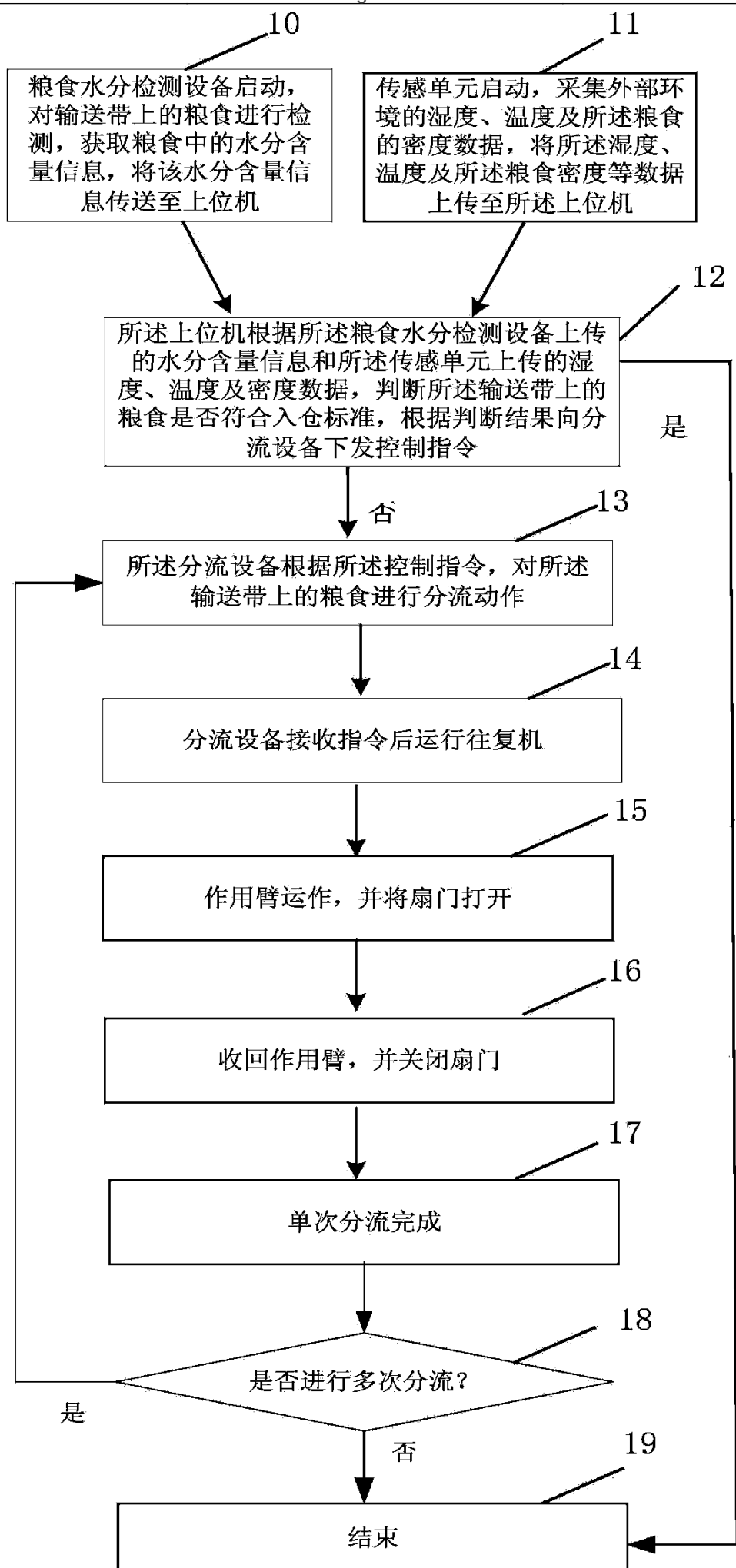
Family 100/100 - FAMPAT - ©Questel

Title

(CN104636979)

Grain storage automatic distribution method and device based on reciprocating machine

Images



Publication data including kind & date

CN104636979

A

2015-05-20

CN104636979

**Abstract**

(CN104636979)

The invention provides a **grain** storage automatic distribution method and device based on a reciprocating machine. The method includes: **grain** moisture detecting equipment is started to detect **grain** on a conveying belt so as to obtain the moisture content information in the **grain**, and the moisture content information is transmitted to an upper computer; a sensing unit is started to collect the humidity and **temperature** of an external environment and the density data of the **grain** and uploads the humidity, the **temperature** and the **grain** density data to the upper computer; the upper computer judges whether the **grain** on the conveying belt conforms to a storage standard or not according to the moisture content information and the humidity, the **temperature** and the **grain** density data, and issues a control instruction to distribution equipment according to a judging result; the distribution equipment performs distribution on the **grain** on the conveying belt according to the control instruction. By the method, **grain** waste such as **grain** mildew caused by the fact that the moisture content exceeds the standard can be avoided effectively, safety barn **grain** storage is benefited, and automatic operation capability is increased.

Inventors

WANG HONGWEI

LI QIJUN

WANG ZHANHOU

Latest standardized assignees - inventors removed

AISINO