

Search history

Search 1: CPC=(F26B3/00 or F26B3/36 or F26B9/00 or F26B25/06 or F26B3/16 or F26B3/02) (Results 3330)
Search 2: FT=(dry* air) (Results 81342)
Search 3: FT=(dry* air fan dehumidifier tunnel (endless w1 screw) control) (Results 0)
Search 4: FT=(dry* air fan dehumidifier (endless w1 screw) control) (Results 0)
Search 5: FT=(dry* air fan (endless w1 screw) control) (Results 0)
Search 6: FT=(dry* air (endless w1 screw) control) (Results 0)
Search 7: FT=(dry* air (endless w1 screw)) (Results 0)
Search 8: FT=(endless w1 screw) (Results 9412)
Search 9: 1 and 8 (Results 4)

1) Family number: 62800412 (WO17049418A1)

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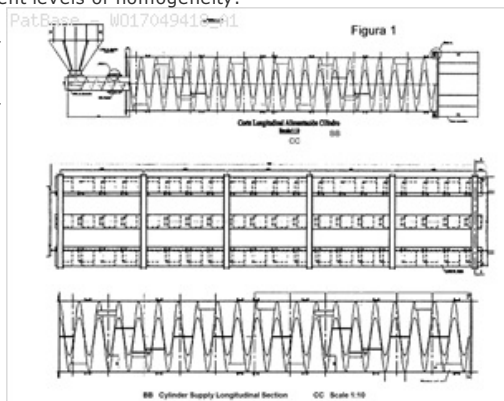
Title: SYSTEM AND METHOD WITH EMBODIMENTS IN THE FORM OF A ROTARY CYLINDER, A CYLINDER WITH AN ENDLESS SCREW, AND A TROUGH OR POLYHEDRON, FOR DEWATERING, DRYING AND/OR DISINFECTING INDUSTRIAL WASTE: FISHING, FOOD (BASED ON ANIMAL OR VEGETABLE PRODUCTS), LIQUID WASTE, TAILINGS, SLUDGE AND ANY TYPE OF HOUSEHOLD WASTE AND/OR ANY TYPE OF MATERIAL, RUBBISH OR WASTE

Abstract: The invention relates to a system and method with embodiments in the form of a rotary cylinder, a cylinder with an endless screw, and a trough or polyhedron, for dewatering, drying and/or disinfecting industrial waste: fishing, food (based on animal or vegetable products), liquid waste, tailings, sludge and any type of household waste and/or any type of material, rubbish or waste, by means of control of wetting, temperature variation and injection of electromagnetic waves (in a wide range of radio-frequencies, in particular, but not limited to, microwaves) in the form of continuous, discrete, periodic or non-periodic pulses, thereby reducing the weight and water content of the waste, improving the effectiveness and efficiency of the entire process, and reducing the associated fuel consumption, transport times and final disposal of the material, suitable for different types of waste or sludge and for different levels of homogeneity.

Classifications:

International (IPC 8-9): F26B11/00 F26B11/04 F26B15/00 F26B15/04 F26B17/00 F26B23/08 F26B3/00 F26B3/32 F26B3/34 F26B3/347 (Advanced/Invention)

CPC: F26B3/00 F26B3/32 F26B3/34 F26B3/347 F26B11/00 F26B11/04 F26B15/00 F26B15/04 F26B17/00



Family:

Publication number	Publication date	Application number	Application date
CL2015002875 A1	20160610	CL20150002875	20150925
WO17049418 A1	20170330	WO2016CL00054	20160923

Priority:

CL20150002875 20150925

Probable Assignee: HORNOS IND OVEN SPA

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Assignee(s): HORNOS INDUSTRIALES OVEN SPA

Inventor(s): (std): TAPIA ZULETA PABLO

Agent(s): PORZIO RIOS AND ASOCIADOS; PORZIO BOZZOLO MARINO ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

2) Family number: 66163422 (WO17105194A1)

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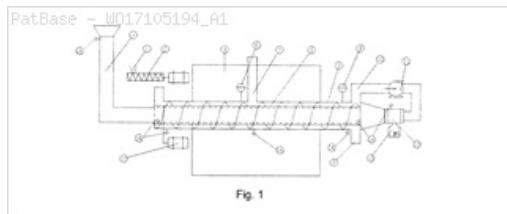
Title: DEVICE FOR ROASTING CRUSHED BIOMASS VIA A DOUBLE-PHASE PARABOLIC CYLINDRICAL COLLECTOR, AND CONTROLLED BY MEASURING THE COLOUR SPECTRUM AND MOISTURE

Abstract: The invention relates to the design of a roasting reactor with a heating system provided by a parabolic cylindrical solar collector and the recirculation of treated gases based on agricultural waste, such as that of corn and wheat. The method comprises the roasting of biomass, which is made to travel through a screw-type reactor that is heated via a parabolic cylindrical solar collector and the recirculation of roasting gases that have already been treated in a thermal oxidiser. Same are controlled by an adaptive control system which measures temperature, moisture content and the colour spectrum of the roasted material in situ, in order to thereby control variables such as the speed of the transporting screw and the residence time of the biomass in the reactor.

Classifications:

International (IPC 8-9): C10B53/02 C10L5/44 C10L9/08 F24J2/14 F24S23/74 F26B3/00 G01J3/42 G01J3/46 (Advanced/Invention)

CPC: C10B53/02 C10L5/44 C10L9/08 F26B3/00 G01J3/42 G01J3/46 Y02E50/30 F24S23/74 Y02E10/45 Y02E50/10 Y02E50/14 Y02E50/15 Y02P20/134 Y02P20/145 Y02P70/40



Family:

Publication number	Publication date	Application number	Application date
WO17105194 A1	20170622	WO2015MX00202	20151216

Priority:

WO2015MX00202 20151216

Probable Assignee: CARO RAMOS FELIPE

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Inventor(s): (std): KAWAMINAMI GARCIA IVAN ROBERTO ; CARO RAMOS FELIPE ; DEL RINCON LOPEZ ROBERTO ARTURO ; OLEA MIRANDA JAIME ; TADEI BRINGAS JORGE LUIS

Agent(s): LUGO LIZARRAGA MARIA LAURA

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

3) Family number: 62337568 (US2017314855A)

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Title: A DEVICE FOR DRYING AND SANITISING ORGANIC WASTE MATERIAL

Abstract: A device (1) for drying and sanitising organic waste materials, comprising a container body (10) for housing the waste materials to be dried and provided with an inlet (16) for the materials to be dried and an outlet (17) for the dried materials, mixing elements (20) located in the container body (10) and provided with at least a blade (21) able to mix the materials to be dried and sanitised, projectingly supported by a rotating shaft (23), a ventilation circuit (30) able to generate a forced ventilation of air internally of the container body (10), and comprising generator means (33) of an air flow located externally of the container body (10) communicating with at least a dispenser nozzle (34) located internally of the container body (10), in which the at least a dispenser nozzle (34) is associated to the at least a blade (21) able to mix the waste materials located in the container body (10) wherein it comprises at least a temperature sensor (42) configured such as to measure a temperature internally of the container body (10) and in that it comprises a control system which receives a signal from the at least a temperature sensor (42) and is able to control the air flow injected into the container body (10) by the ventilation circuit (30) as a function of the signal received from the temperature sensor (42).

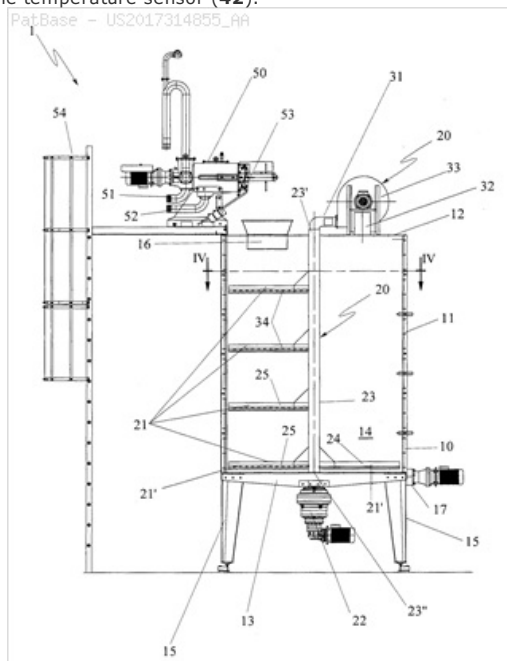
Classifications:

International (IPC 8-9): A61L11/00 C02F1/02 C02F103/20 C02F11/12 C02F11/18 F26B11/12 F26B11/14 F26B21/12 F26B3/02 F26B3/06 F26B3/14 F26B9/08 G01K3/00 (Advanced/Invention); C02F103/20 (Advanced/Non-invention)

International (IPC 1-7): C02F1/02 C02F11/12 C02F11/18 F26B11/12 F26B3/06

CPC: C02F1/02 C02F11/12 C02F11/185 C02F2103/20 C02F2209/02 C02F2303/02 C02F2303/04 F26B3/06 F26B11/12 F26B3/14 F26B9/085 F26B11/14 F26B2200/02 C02F11/18 F26B3/02 F26B9/08 A61L11/00 F26B21/12 G01K3/005

US: 1/1 34/497



Family:

Publication number	Publication date	Application number	Application date
BR112017009489 A2	20180102	BR20171109489	20151105
CN107108268 A	20170829	CN201580060516	20151105
EP3215463 A1	20170913	EP20150804936	20151105
RU2017117930 A	20181206	RU20170117930	20151105
RU2017117930 A3	20190328	RU20170117930	20151105

RU2686204 C2	20190424	RU20170117930	20151105
US2017314855 AA	20171102	US20150524279	20151105
US10480856 BB	20191119	US20150524279	20151105
WO16071750 A1	20160512	WO2015IB02073	20151105

Priority:

IT2014RE00090 20141106 RU20170117930 20151005 WO2015IB02073 20151105
RU20170117930 20151105

Probable Assignee: CRI MAN SPA

Assignee(s): (std): CRI MAN S P A ; KRI MAN S P A

Assignee(s): KRI MAN SPA ; CRI MAN SPA

Inventor(s): (std): ORESTE MASSARI ; MASSARI ORESTE

Agent(s): CORRADINI CORRADO; LYAPUNOV I PARTNERY; BROWDY AND NEIMARK PLLC; CORRADINI CORRADO ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

4) Family number: 3098919 (US4502230A)

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Title: APPARATUS FOR HEATING OR COOLING AND IN PARTICULAR FOR DRYING FINELY PARTICULATE SOLIDS

Abstract: The invention relates to an apparatus for drying finely particulate solids in a carrier gas stream conducted along a helical path. The apparatus consists of an externally heated and cooled flow tube centrally surrounding a similarly heated and cooled inner body. Guide means helically arranged in succession in the flow direction are situated between the flow tube and inner body, and are formed as aerofoil-like curved or flat plates and are distributed over the whole length of the inner body. These guide means are designed as a self-supporting structure not secured to the inner body.

Classifications:

International (ipc 8-9): F26B17/10 F26B3/00 F26B3/10 F26B3/22

F26B7/00 (Advanced/Invention);

F26B17/00 F26B3/00 F26B3/02 F26B7/00 (Core/Invention)

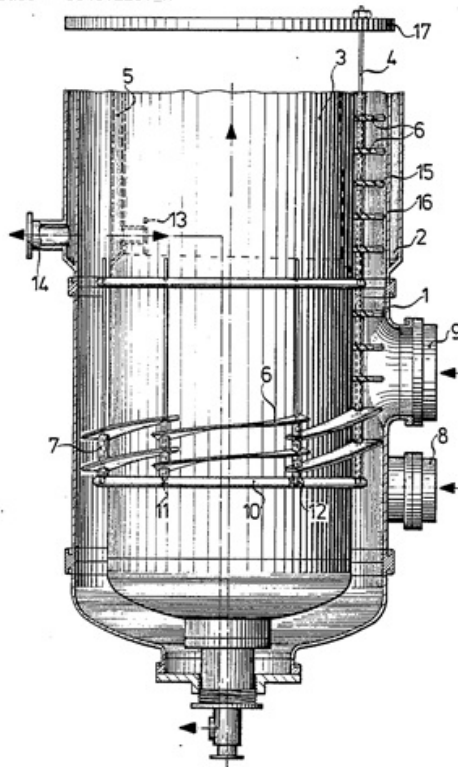
International (ipc 1-7): F26B17/10 F26B3/10 F26B7/00

CPC: F26B3/00 F26B3/22 F26B17/104

European: F26B17/10B4 F26B3/00 F26B3/22

US: 165/156 34/570E 34/57E 34/594 34/68

PatBase - US4502230_R



Family:

Publication number	Publication date	Application number	Application date
AT33184 E	19880415	AT19830100333T	19830117
DE3202954 A1	19830811	DE19823202954	19820129
DE3376088 D1	19880428	DE19833376088	19830117
EP0085331 A2	19830810	EP19830100333	19830117
EP0085331 A3	19841107	EP19830100333	19830117
EP0085331 B1	19880323	EP19830100333	19830117
US4502230 A	19850305	US19820431974	19820930

Priority:

DE19823202954 19820129 DE19833376088 19830117 EP19830100333 19830117

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Assignee(s): RUHRCHEMIE AKTIENGESELLSCHAT A CORP ; RUHRCHEMIE AKTIENGESELLSCHAFT ; HOECHST AG

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Designated states: AT BE DE FR GB IT NL SE