

1) Family number: 57351040 (WO15198055A1)

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Title: APPARATUS AND METHODS FOR CONTROLLING FOOD PROCESSING

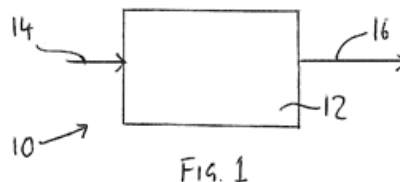
Abstract: An apparatus for controlling food processing, comprising a controller configured to: receive signals from input control means; determine, from the received signals, a food quantity value and a food consistency value; and control, using the determined food quantity value and the determined food consistency value, the quantity of an ingredient to be dispensed from an ingredient dispensing unit and the quantity of a liquid to be dispensed from a liquid dispensing unit.

Classifications:

International (IPC 8-9): A21C1/14 A47J43/07 (Advanced/Invention);
A47J31/40 (Advanced/Non-invention)

CPC: A47J43/0705 A47J31/40 A21C1/1425 A21C1/1435 A21C1/146

PatBase - WO15198055_A1

**Family:**

Publication number	Publication date	Application number	Application date
GB201411303 A0	20140806	GB20140011303	20140625
GB2529136 A1	20160217	GB20140011303	20140625
WO15198055 A1	20151230	WO2015GB51854	20150625

Priority:

GB20140011303 20140625

Probable Assignee: HANOTU JAMES O**Assignee(s):** (std): HANOTU JAMES O ; HANOTU JAMES ONUKWUNMA**Assignee(s):** JAMES ONUKWUNMA HANOTU**Inventor(s):** (std): HANOTU JAMES ONUKWUNMA**Inventor(s):** JAMES ONUKWUNMA HANOTU**Agent(s):** WHILEY IAN 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 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: 55367049 (FR2991566A)

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Title: FOOD ROBOT FOR E.G. DEFROSTING, OF FOOD FOR BABY, HAS DRIVING UNIT TO ROTATE BLADES INSIDE CONTAINER CONTAINING FOOD TO BE TREATED, WHERE BLADES ARE ROTATED BY THERMAL ENERGY TRANSFER, AND ENERGY IS PROVIDED BY ELECTRIC RESISTORS

Abstract: The robot has a driving unit i.e. electric motor, that is arranged to rotate blades inside a container containing food to be treated. The blades are rotated by thermal energy transfer, where thermal energy is provided by electric resistors. An insulated wall is arranged in the robot to keep the food in a warm state. The container contains water that is heated by the electric resistors. A pushbutton actuates the blades connected to an axis. The blades are designed to mix and cut the food in the container. A weight sensor is arranged in the robot.

Classifications:

International (IPC 8-9): A47J19/00 A47J43/04 (Advanced/Invention)

CPC: A47J27/14 A47J43/046 A47J43/0716

Family:

Publication number	Publication date	Application number	Application date
FR2991566 A1	20131213	FR20120001626	20120606

Priority:

FR20120001626 20120606

Probable Assignee:

KATTAN BAKKOUR

Assignee(s): (std):

KATTAN BAKKOUR

Assignee(s):

BAKKOUR KATTAN

Inventor(s): (std): KATTAN BAKKOUR
Inventor(s): BAKKOUR KATTAN
Agent(s): BAKKOUR KATTAN

3) Family number: 32884062 (WO07096574A1)

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Title: FOOD PREPARATION ARRANGEMENTS

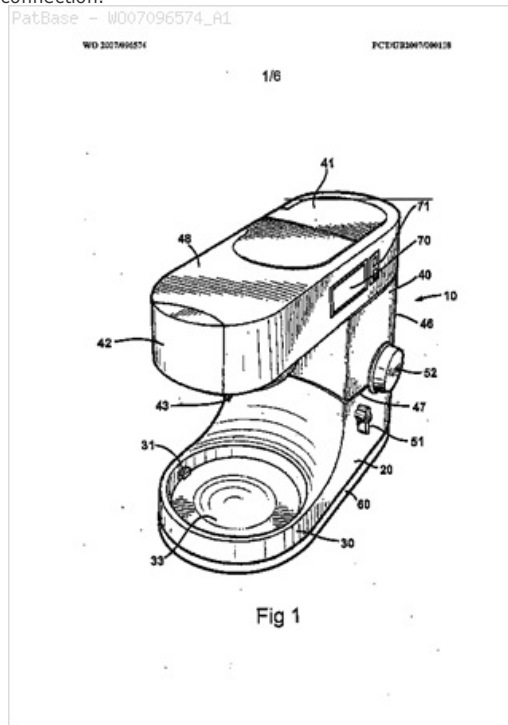
Abstract: A food preparation arrangement is described, comprising a kitchen appliance (10,110) having an electric motor housed within a casing, a support location (30,130,140) for a receptacle having a processing tool for processing ingredients in the receptacle, and a motor-driven driver to activate the processing tool when the receptacle is supported at the support location (30,130,140). The arrangement further comprises a weighing device (60,150,180) dimensioned and configured to fit beneath and support the kitchen appliance (10,110) and to generate electrical signals, representing the weight of the ingredients, and a transmission link over which the electrical signals can be conveyed to the appliance (10,110), enabling the weight of the ingredients to be shown on a display device (70,122,190) provided on the appliance (10,110). The transmission link may include a direct electrical connection, such as a plug-and- socket connection, or a contactless link, comprising one or more of: a radio-frequency (RF) link; an infra-red (IR) or other optical link; or a Bluetooth connection.

Classifications:

International (IPC 8-9): A47J43/04 A47J43/044 A47J43/06 A47J43/07 G01G19/52 G01G3/14 (Advanced/Invention); A47J43/04 G01G19/52 G01G3/00 (Core/Invention)

CPC: A47J43/07 A47J47/16 A47J2043/0733 A47J43/044 A47J43/06 A47J43/0705 G01G3/1404 G01G19/52

European: A47J43/044 A47J43/06 A47J43/07 A47J43/07B A47J47/16 G01G19/52 G01G3/14B4 K47J43/07F



Family:

Publication number	Publication date	Application number	Application date
GB200603489 A0	20060405	GB20060003489	20060222
GB2435411 A1	20070829	GB20060003489	20060222
WO07096574 A1	20070830	WO2007GB00118	20070117

Priority:

GB20060003489 20060222

Probable Assignee: KENWOOD LTD

Assignee(s): (std): CLARK SIMON ; GOODRICK MEECH CHRISTINA ; KENWOOD LTD

Assignee(s): KENWOOD LIMITED

Inventor(s): (std): CLARK SIMON ; GOODRICK MEECH CHRISTINA

Inventor(s): CHRISTINA GOODRICK MEECH ; SIMON CLARK

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM 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 IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

4) Family number: 63670089 (WO18007831A1)

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Title: VALVE FOR A KITCHEN APPLIANCE

Abstract: A valve for a container of a kitchen appliance comprises an over-pressure emission valve, which may be provided in a lid of the container. The valve comprises a plug for blocking an aperture in the container, wherein the plug is biased towards the aperture such that if over-pressure develops within the container which exceeds a predetermined value the plug is expelled from the aperture to dissipate the over-pressure, and the biasing force then returns the plug to a position blocking the aperture. The

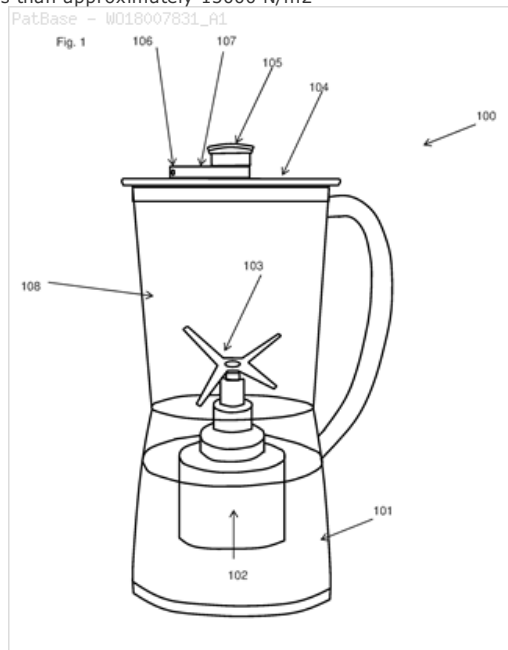
predetermined value of the overpressure required to move the plug is less than approximately 15000 N/m2

Classifications:

International (IPC 8-9): A47J36/06 A47J43/046

A47J43/07 (Advanced/Invention)

CPC: A47J43/0716 A47J43/07 A47J36/06 A47J43/046



Family:

Publication number	Publication date	Application number	Application date
GB201611965 A0	20160824	GB20160011965	20160708
GB2552156 A1	20180117	GB20160011965	20160708
WO18007831 A1	20180111	WO2017GB52008	20170707

Priority:

GB20160011965 20160708

Probable Assignee: KENWOOD LTD

Assignee(s): (std): KENWOOD LTD

Inventor(s): (std): SEALY JAMES JOSEPH ; JAMES SEALY

Agent(s): HECTOR ANNABEL MARY

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 JO JP KE KG KH 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

5) Family number: 15895098 (US6544925B)

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Title: ACTIVATABLE TIME-TEMPERATURE INDICATOR SYSTEM

Abstract: An activatable time-temperature indicator system useful in tracking the thermal exposure history of a temperature-sensitive perishable product and providing a visually-distinct signal, such as a change in color density, at the expiration of a predetermined time-temperature integral comprises a first element, such as a direct thermal printing label (11), comprising a composition (13) having at least a first co-reactant of a color-forming reaction. A second, activator element, such as an adhesive tab (21) capable of being affixed to the label element, comprises an activator component (25), such as a second co-reactant of the color-forming reaction or a solubilizing agent for prompting the interaction of the co-reactants of the label composition. The activator tab element is affixed to the label composition to activate for reaction at ambient conditions the normally high-temperature color-forming composition (13) of the label at about the same time as the label is affixed to the perishable product. Such an ability to effect the initiation of the indicator reaction at a given time eliminates any unknown, premature color formation in the indicator system to thereby ensure a true time-temperature history of the perishable product.

Classifications:

International (IPC 8-9): B32B3/00 B32B7/06 B65D25/20 G01K3/04

G01N31/22 G04F1/00 G09F3/02 (Advanced/Invention);

G01N31/22 (Advanced/Non-invention);

B32B7/06 B65D25/20 G01K3/00 G01N31/22 G09F3/02 (Core/Invention)

International (IPC 1-7): B32B3/00 B32B7/06 B41M5/30 B65D25/20

G01K3/04 G01N31/22 G04F1/00 G09F3/02

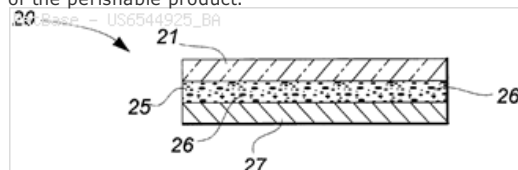
CPC: B32B7/06 G01K3/04 G01N31/22 G09F3/0291

European: B32B7/06 G01K3/04 G01N31/22L G09F3/02D

US: 374/E03.004 374/E3.004 503/201 503/226

JP F-Term: 3E062 3E062/AB14 3E062/DA08 5C091

JP F-Index: B65D25/20/P G09F3/02/U



Family:

Publication number	Publication date	Application number	Application date
AU2001243409 AA	20010912	AU20010243409	20010302
AU200143409 A1	20010912	AU20010043409	20010302
CA2401847 AA	20020903	CA20012401847	20010302

CN1190317 C	20050223	CN20018009010	20010302
CN1427770 A	20030702	CN20018009010	20010302
EP1268178 A1	20030102	EP20010916378	20010302
EP1268178 A4	20030416	EP20010916378	20010302
JP2003525464 T2	20030826	JP20010563312T	20010302
KR20020086597 A	20021118	KR20027011454	20010302
MXPA02009784 A1	20040906	MX2002PA09784	20010302
US6544925 BA	20030408	US20000517831	20000302
WO0164430 A1	20010907	WO2001US06936	20010302

Priority:

US20000517831 20000302 WO2001US06936 20010302

Probable Assignee: TEMPTIME CORP

Assignee(s): (std): LIFELINES TECHNOLOGY INC

Assignee(s): PIECHOWSKI ALLAN P ; PRUSIK THADDEUS ; TEMPTIME CORP ; ARES CAPITAL COLLATERAL AGENT AS CORP ; ARNOLD RAYMOND M

Inventor(s): (std): AP PIECHOWSKI ; ARNOLD R M ; ARNOLD RAYMOND M ; PIECHOWSKI A P ; PIECHOWSKI ALLAN P ; PRUSIK T ; PRUSIK THADDEUS ; RM ARNOLD ; T PRUSIK

Inventor(s): THADDEUS PRUSIK ; R M ARNOLD ; A P PIECHOWSKI ; ALLAN P PIECHOWSKI ; RAYMOND M ARNOLD

Agent(s): MOFFAT AND CO; LIONEL N WHITE

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

6) Family number: 60394112 (EP2921091B1)

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Title: KITCHEN DEVICE DISPOSITIF DE CUISIN

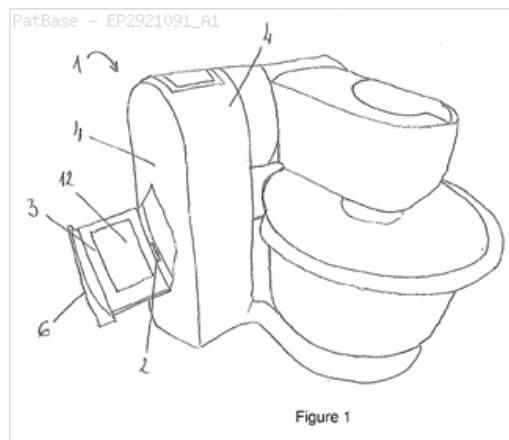
Abstract: A kitchen device (1) for processing of food ingredients, comprising at least a motorized driving means, one or more connecting means (2) for connection of various attachments, a user control means (3) for controlling the operation of the kitchen device (1) and a housing (4), wherein the user control means (3) is movably attached to the housing (4) and may be partially or completely stored within the housing (4).

Classifications:

International (IPC 8-9): A47J43/07 A47J44/00 (Advanced/Invention);

A47J43/00 (Core/Invention)

CPC: A47J43/0716 A47J2043/0733



Family:

Publication number	Publication date	Application number	Application date
CN104921622 A	20150923	CN201510152172	20150318
DE602014011129 D1	20170803	DE201460011129T	20140318
EP2921091 A1	20150923	EP20140160608	20140318
EP2921091 B1	20170628	EP20140160608	20140318
ES2633195 T3	20170919	ES20140160608T	20140318
SI2921091 T1	20171030	SI20140030347T	20140318

Priority:

EP20140160608 20140318

Probable Assignee: BSH HAUSGERAETE GMBH

Assignee(s): (std): BSH HAUSGERAETE GMBH ; BSH HOUSEHOLD GMBH

Inventor(s): (std): BREZNIK ALES ; KOS ADRIJANA ; KUMER AMADEJ ; SPILAK ANTON ; SUEN TOMAZ ; UPLAZNIK MARKO

Agent(s): UNGRIA JAVIER

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

7) Family number: 69127112 (US2019255582A)

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Abstract: Disclosed herein are apparatus, methods and systems for promoting and encouraging the beneficial recycling of food waste. In one aspect, disclosed herein is a tamper resistant lid assembly for a receptacle. The lid assembly is locatable over an opening of the receptacle and comprises a first lid that is operable by a user and which comprises a lock for locking the first lid in a closed configuration; and a second lid that is operable independently of the first lid, the second lid being biased into a closed configuration but openable by a collector of the receptacle in order to empty the receptacle. The assembly is configured such that the second lid is not manually openable.

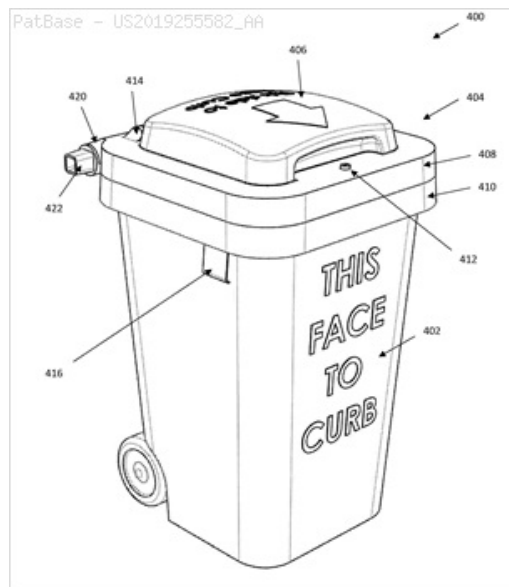
Classifications:

International (IPC 8-9): A23K10/26 A23K10/37 A23K40/10 A23K40/25 A23K50/75 A23N17/00 B09B3/00 B09B5/00 B65D43/16 B65D51/18 B65F1/02 B65F1/12 B65F1/14 B65F1/16 B65F3/00

B65F7/00 (Advanced/Invention)

International (IPC 1-7): B09B5/00 B65D43/16 B65D51/18 B65F1/16 B65F3/00

CPC: A23N17/005 B65F1/1646 A23K10/26 A23K10/37 A23K40/10 A23K40/25 A23K50/75 A23N17/00 B09B3/00 B09B5/00 B65F1/02 B65F1/12 B65F1/1473 B65F1/1615 B65F3/001 B65F7/005 B65F2003/0269 B65F2210/128 B65F2210/168 Y02P60/877



Family:

Publication number	Publication date	Application number	Application date
AU2017311611 AA	20180426	AU20170311611	20171018
AU2018100266 AD	20180405	AU20180100266	20180228
AU2018100266 BD	20180726	AU20180100266	20180228
AU2020202930 AA	20200521	AU20200202930	20200501
BR112019007746 A2	20190709	BR20191107746	20171018
CA3039674 AA	20190408	CA20173039674	20171018
CN109923047 A	20190621	CN201780064304	20171018
EA201990999 A1	20190930	EA20190090999	20171018
EP3526143 A1	20190821	EP20170862240	20171018
ID201906304 A	20190823	ID2019P0004171	20171018
IN201917018598 A	20190726	IN201917018598	20190509
PH2019500865 A	20191202	PH20190500865	20190422
SG11201903169T A1	20190530	SG20191103169	20171018
US2019255582 AA	20190822	US20170342122	20171018
WO18071971 A1	20180426	WO2017AU51130	20171018

Priority:

AU20160904222 20161018 AU20170900033 20170109 AU20170902559 20170630
AU20170311611 20171018 WO2017AU51130 20171018 AU20180100266 20180228

Probable Assignee: BOYLE NORMAN

Assignee(s): (std): BOYLE NORMAN ; NORMAN BOYLE

Inventor(s): (std): BOYLE NORMAN ; NORMAN BOYLE

Agent(s): FOUNDRY INTELLECTUAL PROPERTY PTY LTD; SMITHS IP; CAMERON INTELLECTUAL PROPERTY LTD; AJENG YESIE TRIEWANTY

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 HW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW 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

8) Family number: 49918123 (US2013168323A)

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Title: SYSTEMS AND METHODS FOR REMOVING OIL FROM FLUID STREAMS

Abstract: The invention provides systems and methods for removing a target oil from an aqueous fluid stream using a capture medium. In embodiments, the capture medium can comprise an anchor substrate and a modifier technology supported on the anchor substrate, where the modifier technology complexes with the oil to form a removable complex.

Classifications:

International (IPC 8-9): B01D17/04 B01J49/00 B08B7/04 C02F1/28 C02F1/40 C09K3/32 E02B15/10 (Advanced/Invention)

CPC: E02B15/101 B01D17/0202 B01D17/047 B01D17/048 C02F1/288 C02F1/40 C02F1/281 C02F1/286 C02F1/285 C09K3/32 C02F2101/32 C02F2103/08 C02F2303/18 Y10T428/31667 Y10T428/31779

Publication number	Publication date	Application number	Application date
US2013168323 AA	20130704	US20120669104	20121105
US2015027954 AA	20150129	US20140328175	20140710
US8795534 BB	20140805	US20120669104	20121105
WO11140306 A1	20111110	WO2011US35305	20110505

US20100331796P	20100505	US20100349648P	20100528	US20100355020P	20100615
WO2011US35305	20110505	US20120669104	20121105	US20140328175	20140710

Assignee(s): (std): MAHONEY ROBERT P ; SLATTERY IAN ; SOANE DAVID S ; SOANE ENERGY LLC ; SOANNE ENERGY LLC ; WARE JR WILLIAM ; WARE WILLIAM JR

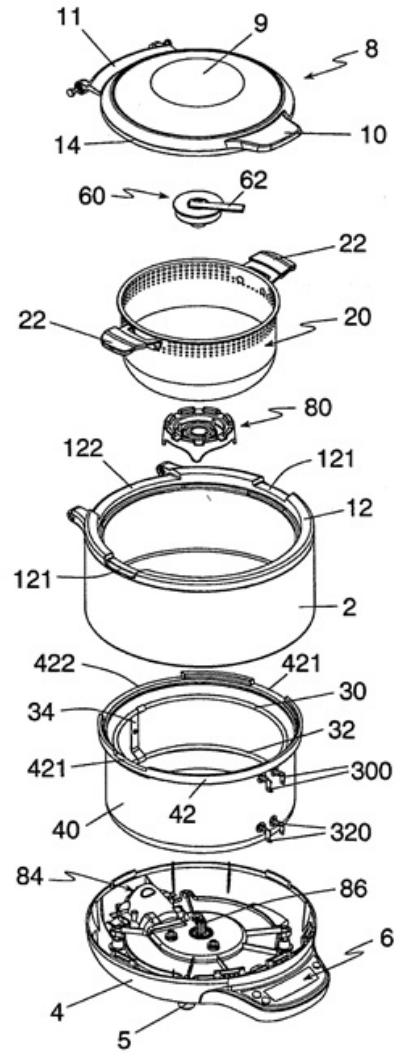
Inventor(s): (std): SLATTERY IAN ; SOANE DAVID S ; MAHONEY ROBERT P ; WARE WILLIAM JR ; WARE JR WILLIAM

Agent(s): ELMORE PATENT LAW GROUP PC; MAHREEN CHAUDHRY; CAROLYN S; HODA MAHREEN CHAUDHRY ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ 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 GT GR GT HN HR HU ID IE IL IN 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 PE PG PH PL PT RO RS RU 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

Abstract: Described is a device for preparing and cooking in the form of a household electrical appliance, including a vessel having a substantially horizontal bottom wall and one or more substantially vertical walls connected to the periphery of the bottom wall via a connecting wall. The device includes at least one blade or paddle for mixing and kneading ingredients such as bread dough placed in the vessel, wherein the blade or paddle, in its mixing and kneading position, leaves an underlying space between the blade and the bottom wall of the vessel.

International (IPC 8-9): A21B7/00 A21C1/02 A21C1/06 A47J27/00 A47J36/00 A47J37/00 A47J37/01 A47J37/07 A47J43/046 A47J43/07 F27D11/00 H05B1/00 (Advanced/Invention);
A21B7/00 A21C1/00 A47J27/00 A47J36/00 A47J43/04 (Core/Invention)
CPC: A47J27/004 A47J43/0722 A47J43/0727 B01F7/00075
European: A47J43/07C2 A47J43/07D
US: 219/201 219/385 219/385S 99/340 99/340P 99/348 99/348S
JP F-Term: 4B040 4B040/AA02 4B040/AA08 4B040/AB04 4B040/AC01 4B040/AC15 4B040/AD07 4B040/ED02 4B040/NB34 4B031 4B031/CA09 4B031/CC12 4B031/CC15 4B040/AE04 4B040/CA05 4B040/ED01 4B040/NB16 4B053 4B053/AA01 4B053/BA12 4B053/BE04 4B053/BE13 4B053/BL02 4B053/BL20
JP F-Index: A47J37/00/301 A47J37/01 A21C1/02/B A47J43/046 A47J43/07

**Family:**

Publication number	Publication date	Application number	Application date
CN201675699 U	20101222	CN200990100016U	20090730
CN201675767 U	20101222	CN200990100017U	20090730
DE602009008096 D1	20120830	DE200960008096T	20090730
DE602009010904 D1	20121227	DE200960010904T	20090730
EP2339946 A1	20110706	EP20090784324	20090730
EP2339946 B1	20121031	EP20090784324	20090730
EP2339948 A1	20110706	EP20090784325	20090730
EP2339948 B1	20120704	EP20090784325	20090730
FR2934484 A1	20100205	FR20080004398	20080801
FR2934484 B1	20130614	FR20080004398	20080801
JP2011529712 T2	20111215	JP20110520551T	20090730
JP2011529713 T2	20111215	JP20110520552T	20090730
PL2339946 T3	20130329	PL20090784324T	20090730
PL2339948 T3	20121231	PL20090784325T	20090730
RU2011107605 A	20120910	RU20110107605	20090730
RU2011107607 A	20120910	RU20110107607	20090730
US2011126719 AA	20110602	US20090056764	20090730
US2011132887 AA	20110609	US20090056785	20090730
WO10012908 A1	20100204	WO2009FR00957	20090730
WO10012909 A1	20100204	WO2009FR00958	20090730

Priority:

FR20080004398 20080801 EP20090784324 20090730 EP20090784325 20090730
 WO2009FR00957 20090730 WO2009FR00958 20090730

Probable Assignee: SEB SA**Assignee(s):** (std): SEB SA ; VALANCE NICOLAS ; SEB AB**Assignee(s):** SEB S A**Inventor(s):** (std): VALANCE NICOLAS ; VALENCE NICOLAS

Inventor(s): NICOLAS VALANCE ; NICOLAS VALENCE ; NICOLASVALENCE
Agent(s): CEMELI ERIC PHILIPPE LAURENT; SEB DEVELOPEMENT; TANI AND ABE PC; KIEHL HUBERT
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ 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 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 PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

10) Family number: 63987126 (US2016334276A)

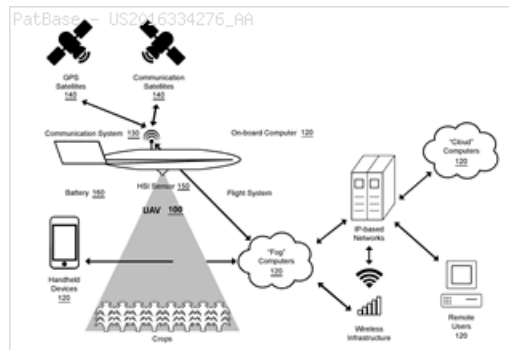
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Title: APPARATUSES AND METHODS FOR BIO-SENSING USING UNMANNED AERIAL VEHICLES

Abstract: Described herein are methods, apparatuses, and systems that enable a light weight autonomous unmanned aerial vehicle (UAV) to process hyperspectral (HSI) data during its flight and send information to the ground computer via radio-link. This capability is not currently available owing to the severe combination of technical constraints: the typical processing power required to analyze HSI data in real time; the small space and power available for the payload in a light-weight UAV; and the limited bandwidth available on the wireless link.

Classifications:

International (IPC 8-9): A01G25/16 B64C39/02 G01J3/02 G01J3/28 G01N33/02 G05B15/02 G06K9/00 (Advanced/Invention)
CPC: G01J3/2823 G01N33/025 G01J3/0297 B64C39/024 B64C2201/123 G01J3/0264 G01J3/027 G01J3/28
US: 1/1 700/284



Family:

Publication number	Publication date	Application number	Application date
EP3295370 A1	20180321	EP20160793312	20160509
EP3295370 A4	20190403	EP20160793312	20160509
US2016334276 AA	20161117	US20160001112	20160119
US2019107440 AA	20190411	US20180201727	20181127
US10139279 BB	20181127	US20160001112	20160119
WO16183000 A1	20161117	WO2016US31453	20160509

Priority:

US20150160493P 20150512 US20160001112 20160119 WO2016US31453 20160509
US20180201727 20181127

Probable Assignee: BIOSENSING SYSTEMS LLC

Assignee(s): (std): BIOSENSING SYSTEMS LLC

Inventor(s): (std): PLUVINAGE VINCENT

Agent(s): BAILEY SAM ROGERSON; NIXON PEABODY LLP; BIRKENEDER ERIK 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

11) Family number: 33990141 (EP1731068A1)

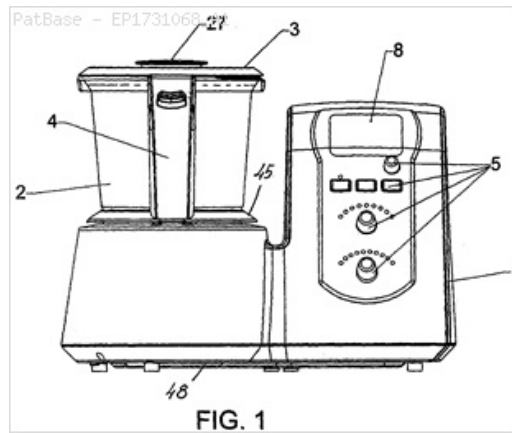
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Title: COCKING MIXER FOR PROCESSING AND PREPARING FOOD

Abstract: It comprises a base structure (48) on which is mounted a support (49) adapted to hold a container (2) that contains the food to be processed, with said container (2) having a ferromagnetic portion (22). motorised driving means are adapted to rotate means of stirrers or blades (10) inside said container (2). An induction heater device (6) is mounted on said base structure (48), separated from the support (49) and arranged at a predetermined distance from said ferromagnetic portion (22) of the container (2). weighing means are mounted on said support (48) and connected to said support (49) in order to weigh the container (2) when it is on the support (49), so that the induction heater device (6) is excluded from the weighing operation.

Classifications:

International (IPC 8-9): A47J27/00 A47J36/16 A47J43/046 (Advanced/Invention); A47J27/00 A47J36/00 A47J43/04 (Core/Invention)
CPC: A47J27/002 A47J27/004 A47J36/165 A47J43/046 A47J2043/0733
European: A47J27/00A A47J36/16B A47J43/046 K47J43/07F



Family:

Publication number	Publication date	Application number	Application date
AT374560 E	20071015	AT20060380001T	20060102
DE602006000137 D1	20071115	DE200660000137T	20060102
DE602006000137 T2	20080626	DE200660000137T	20060102
EP1731068 A1	20061213	EP20060380001	20060102
EP1731068 B1	20071003	EP20060380001	20060102
ES2296274 T3	20080416	ES20060380001T	20060102
PL1731068 T3	20080331	PL20060380001T	20060102
PT1731068 T	20080102	PT20060380001T	20060102

Priority:

EP20050380123 20050610 EP20060380001 20060102

Probable Assignee: ELECTRODOMESTICOS TAURUS SL

Assignee(s): (std): TAURUS SL ELECTRODOMESTICOS

Assignee(s): ELECTRODOMESTICOS TAURUS S L ; ELECTRODOMESTICOS TAURUS SL

Inventor(s): (std): FERRER JUAN LUIS HEREDIA ; HEREDIA FERRER JUAN LUIS ; ROCA LLUIS TRENCH ; TRENCH ROCA LLUIS

Inventor(s): JUAN LUIS HEREDIA FERRER ; LLUIS TRENCH ROCA

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR YU

12) Family number: 74777158 (WO19115421A1)

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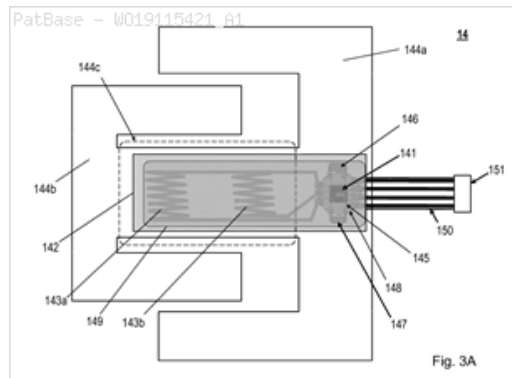
Title: AN APPARATUS FOR DETERMINING A FORCE APPLIED THERETO

Abstract: There is provided an apparatus (10) for determining a force applied thereto. The apparatus (10) comprises: a load sensor (110) configured to measure the force and output an electrical signal indicative of the force, and an electronic unit (120) adjacent to the load sensor (110) wherein electronic unit (120) comprises: a temperature sensor (122) configured to measure a temperature of the load sensor; and a processor (124) configured to determine a compensated output signal based on the measured temperature and the electrical signal.

Classifications:

International (IPC 8-9): A47J37/00 F24C7/00 G01G1/00 G01L1/14 G01L1/22 G01M1/12 (Advanced/Invention)

CPC: G01L1/2281 A21B7/005 A47J36/00 A47J37/0664 A47J43/07 G01G1/00 G01G23/01 G01L1/146 G01L1/2287 G01M1/122 H05B6/6464



Family:

Publication number	Publication date	Application number	Application date
EP3499204 A1	20190619	EP20170207195	20171214
WO19115421 A1	20190620	WO2018EP84087	20181210

Priority:

EP20170207195 20171214

Probable Assignee: PHILIPS KONINKLL NV

Assignee(s): (std): PHILIPS KONINKLL NV

Inventor(s): (std): LINZ SASCHA ; STARMANS FRANCISCUS JOZEF MARIE
Agent(s): DE HAAN POUL ERIK; FREEKE ARNOLD 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 JO JP KE KG KH KM KN KP KR KW 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

13) Family number: 54124169 (US2014017720A)

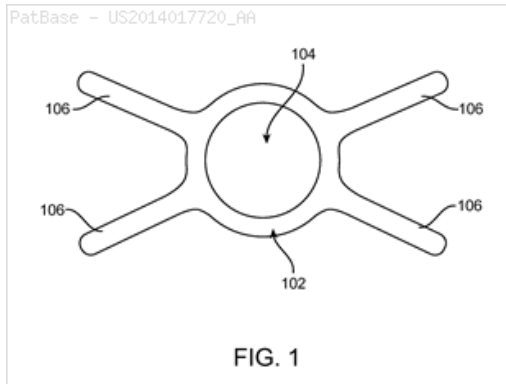
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Title: DEVICE FOR THE COLLECTION, REFINEMENT, AND ADMINISTRATION OF GASTROINTESTINAL MICROFLORA

Abstract: Methods and systems for isolating gastrointestinal microflora from stool collected from a donor are provided. Stool is collected from a donor in a container as the donor is defecating. A solvent is introduced into the container and the container sealed to place its contents in a sealed environment. Various agents can be added to achieve dissolving, coloring, deodorizing, or for further therapies. The solvent and collected stool is homogenized into a mixture which is then filtered by a multi-stage filter system to create a solution containing microflora in the desired consistency. This solution can be dispensed via an enema tube or other delivery apparatus for infusion into a patient's gastrointestinal tract.

Classifications:

International (IPC 8-9): A61B10/00 A61J1/00 A61J1/10 A61J1/20 B01D11/02 B01D37/00 C12M1/00 C12M1/02 C12M1/12 C12M1/26 C12Q1/24 G01N1/10 (Advanced/Invention)
CPC: A61B10/0038 A61B10/0096 A61J1/00 A61J1/2086 B01D11/02 B01D11/0292 B01D37/00 A61J1/20 A61J1/10 G01N1/10
US: 1/1 435/30 435/309.1



Family:

Publication number	Publication date	Application number	Application date
US2014017720 AA	20140116	US20120715178	20121214
US2016051445 AA	20160225	US20150854445	20150915
US9176026 BB	20151103	US20120715178	20121214
WO13090825 A1	20130620	WO2012US69921	20121214

Priority:

US20110576175P 20111215 US20120653642P 20120515 US20120563642P 20120531
US20120653642P 20120531 US20120715178 20121214 US20150854445 20150915

Probable Assignee: PUREFLORA INC

Assignee(s): (std): ANKENY PETER W ; ENGLER ALEXANDER J ; HART WILLIAM H ; PLACEK BRIAN S ; PUREFLORA INC ; SIDORSKY MISHA N ; SIDORSKY TIVON I ; PURELORA INC

Inventor(s): (std): ANKENY PETER W ; ENGLER ALEXANDER J ; HART WILLIAM H ; PLACEK BRIAN S ; SIDORSKY MISHA N ; SIDORSKY TIVON I

Agent(s): WILSON SONSINI GOODRICH AND ROSATI; CHAN DARBY J 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 IS IT JP KE KG KM KN KP KR KZ LA LC 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 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

14) Family number: 65157217 (WO18104743A3)

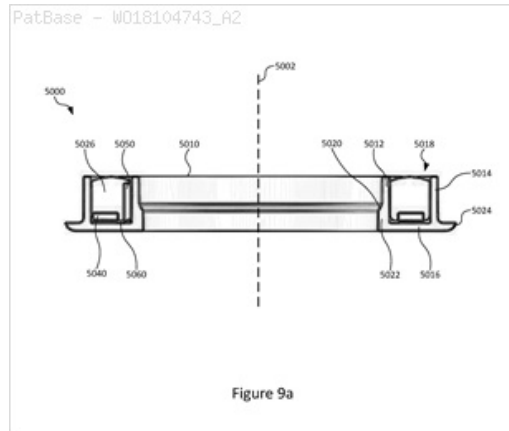
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Title: COMMUNICATION ASSEMBLY AND COMPONENT OF A KITCHEN APPLIANCE

Abstract: Communication Assembly and Component of a Kitchen Appliance A communication assembly (5000) for use with a component (3000), optionally of a kitchen appliance (1000), the communication assembly comprising: an antenna (5040), and an electronic circuit (5050) coupled to the antenna, whereby the communication assembly is adapted to transmit a radio-frequency (RF) signal to an external reader (1080); and an annular channel (5010) comprising at least one formation (5012) for attachment to the component; wherein the antenna and the electronic circuit are disposed in the annular channel.

Classifications:

International (IPC 8-9): A47J43/07 G06K19/077
H04B5/00 (Advanced/Invention)
CPC: H04B5/0056 A47J43/07 G06K19/07745 G06K19/07773



Family:

Publication number	Publication date	Application number	Application date
GB201620832 A0	20170118	GB20160020832	20161207
GB2557339 A1	20180620	GB20160020832	20161207
WO18104743 A2	20180614	WO2017GB53689	20171207
WO18104743 A3	20181025	WO2017GB53689	20171207

Priority:

GB20160020832 20161207

Probable Assignee: KENWOOD LTD

Assignee(s): (std): KENWOOD LTD

Inventor(s): (std): NIGEL RICHARDSON ; DAVID STEPHEN FARAM ; SHERRY DAVID ; SEIDLER MARK ; SNOAD KEVIN ; PALMER ANDREW ; RICHARDSON NIGEL ; FARAM DAVID

Agent(s): HECTOR ANNABEL MARY

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 JO JP KE KG KH 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

15) Family number: 75590264 (US2019259108A)

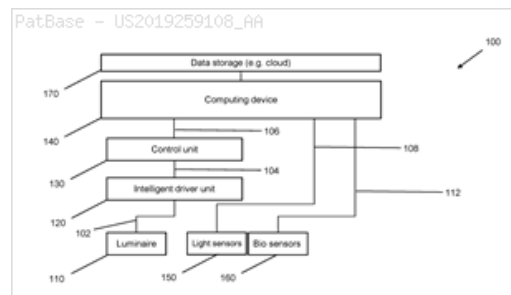
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Title: CONTROLLED AGRICULTURAL SYSTEMS AND METHODS OF MANAGING AGRICULTURAL SYSTEMS

Abstract: The present disclosure relates to different techniques of controlling an agricultural system, as for example a controlled agricultural system, an agricultural light fixture and a method for agricultural management. Furthermore, the disclosure relates to an agricultural system, which comprises a plurality of processing lines for growing plants of a given plant type, wherein a first processing line in the plurality of processing lines is configured to move a first plurality of plants through the agricultural system along a route; and apply a first growth condition to the first plurality of plants to satisfy a first active agent parameter for the first plurality of plants.

Classifications:

International (IPC 8-9): A01B79/00 A01C21/00 A01G31/02 A01G7/04 A01G9/029 A01G9/24 G05D25/02 G06Q50/02 (Advanced/Invention)
CPC: G06Q50/02 A01G9/247 A01C21/005 A01B79/005 A01G7/045 A01G9/0297 A01G31/02



Family:

Publication number	Publication date	Application number	Application date
DE102019201988 A1	20190822	DE201910201988	20190214
US2019259108 AA	20190822	US20190275476	20190214
US2020134741 AA	20200430	US20190713122	20191213
WO19162192 A1	20190829	WO2019EP53717	20190214

Priority:

DE201810202552 20180220	DE201810204524 20180323	DE201810205193 20180406
DE201810205654 20180413	DE201810207877 20180518	DE201810208843 20180605
DE201810211810 20180716	DE201810212402 20180725	DE201810212752 20180731
DE201810213214 20180807	DE201810213632 20180813	DE201810214193 20180822
DE201810214676 20180829	DE201810214888 20180831	DE201810216800 20180928
DE201810217145 20181008	DE201810217664 20181015	DE201810217855 20181018
DE201810217830 20181018	DE201810217848 20181018	DE201810218004 20181022
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DE201810219875 20181120	DE201810220493 20181128	DE201810220902 20181204
DE201810221544 20181212	DE201810221552 20181212	US20190275476 20190214
US20190713122 20191213		

Probable Assignee: OSRAM GMBH

Assignee(s): (std): OSRAM GMBH

Inventor(s): (std): ANGENENDT GUIDO ; BONGARTZ TIMO ; BURZA MAREK ; HAAS NORBERT ; MAGG NORBERT ; OLSCHOWSKI SEBASTIAN

Inventor(s): MAGG NORBERT DR ; HAAS NORBERT DR

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 JO JP KE KG KH 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

16) Family number: 52371269 (IN01539CH2011A)

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Title: VERY LOW COST SOLAR THERMAL ENERGY POWERED DISTRIBUTED AND PORTABLE WATER DISTILLER AND SOLAR COOKER

Abstract: This invention describes a very low cost solar thermal energy powered distributed and portable water distiller or purifier and solar cooker that is completely and totally powered by the sun. It consists of 1. a selective absorber based solar thermal energy collector. 2. a heat pipe based highly efficient heat collector and heat delivery system. 3. a raw input water container and evaporator chamber. 4. a steam condenser. 5. a waste or sludge remover. In addition, it contains 1. an optional input water tank. 2. input washable filters. 3. an output water tank. 4. output water tap. 5. connectors and pipes. The solar thermal selective absorber based collector may be installed in a fixed position, or may be linked to an optional clock work based sun tracking system to further increase system efficiency. One embodiment of the device is capable of collecting 5 KWh of energy per sunny day, and distilling and purifying 20 litres of water per sunny day. The device may be scaled up to higher capacities, and corresponding dimensions, or it may be scaled down to lower capacities and corresponding dimensions. In addition, a separate food cooker or materials processor may replace the water purifier unit, to be placed upon the heat delivery unit, whereby the unit doubles up as a food cooker or thermal processor of food materials or other materials that require thermal processing.

Classifications:

International (IPC 8-9): F24J2/38 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
IN01539CH2011 A	20121116	IN2011CH01539	20110504

Probable Assignee: NARAYAN VISHWA

Assignee(s): NARAYAN VISHWA

Inventor(s): NARAYAN VISHWA

17) Family number: 64774304 (US2017024692A)

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Title: FOOD TRACKING AND PACKAGING METHOD AND APPARATUS

Abstract: The invention encompasses methods and apparatuses for tracking and tracing containers and their contents in a supply chain. Inventions disclose apparatuses capable of scanning multiple containers while in a tray having viewing windows. An associated tray and container for accommodating such scanning is also disclosed. Also disclosed are methods for tracking and tracing the scanned containers and contents.

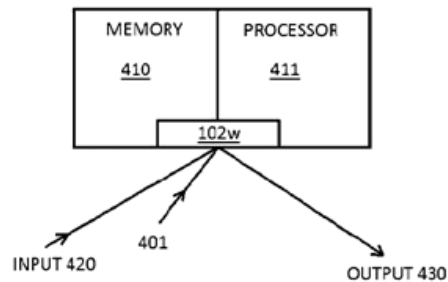
Classifications:

International (IPC 8-9): G06K7/14 G06Q10/08 (Advanced/Invention)

CPC: G06Q10/0833

US: 1/1 705/333

PatBase - US2017024692_AA



Family:

Publication number	Publication date	Application number	Application date
US2017024692 AA	20170126	US20160011478	20160129
US2018107976 AA	20180419	US20170805036	20171106

Priority:

US20150109160P 20150129	US20160275721P 20160106	US20160011478 20160129
US20170805036 20171106		

Probable Assignee: SAMBRAILO PACKAGING

Assignee(s): (std): SAMBRAILO ERIK ; SAMBRAILO MARK ; TAGGART THOMAS ; SAMBRAILO PACKAGING

Inventor(s): (std): SAMBRAILO ERIK ; SAMBRAILO MARK ; TAGGART THOMAS

18) Family number: 8422337 (US4300645A)

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Title: Weighing scale for small loads

Abstract: An elongated bending beam and an elongated flexure strap are supported in substantially parallel, spaced-apart relationship by end cantilever blocks one of which is secured to a scale base and the other of which mounts a food receiving platform for movement vertically with respect to the scale base. First and second pairs of matched strain sensing resistors are bonded to the opposite faces of the bending beam adjacent the opposite ends thereof and are connected electrically to form a balanced Wheatstone bridge, the output voltage of which is utilized to operate a digital read-out unit for indicating the weight of a small portion of sliced food deposited upon the scale platform from a food slicer, and is also utilized to turn off the food slicer when the desired weight of food is deposited on the scale platform.

Classifications:

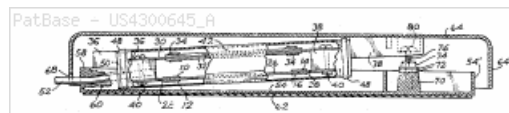
International (IPC 8-9): G01G3/14 (Advanced/Invention);
G01G3/00 (Core/Invention)

International (IPC 1-7): G01G3/08

CPC: G01G3/1404

European: G01G3/14B4

US: 177/211 177/229

**Family:**

Publication number	Publication date	Application number	Application date
US4300645 A	19811117	US19790082620	19791009

Priority:

US19790082620 19791009

Probable Assignee:

ENGLISH DAVID C

Assignee(s): (std):

ENGLISH DAVID C ; SLY EUGENE L

Inventor(s): (std):

ENGLISH DAVID C ; SLY EUGENE L

19) Family number: 33151399 (US2006164496A)

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Title: IMAGE FORMING METHOD AND IMAGE FORMING APPARATUS

Abstract: An image forming method, comprising the steps of: charging uniformly a surface of an organic photoreceptor while rotating the organic photoreceptor; exposing the charged surface of the photoreceptor with a light beam having a wavelength in the range of 350 nm to 500 nm in a main scanning direction to form a dot-shaped electrostatic latent image on the photoreceptor; and developing the dot-shaped electrostatic latent image with toner to form a dot-shaped toner image on the photoreceptor so as to satisfy the following formulas: 1.1 less than or equal to B/A less than or equal to 1.5 and 10 less than or equal to A less than or equal to 50, where A is the length (mum) of an exposed dot of the dot-shaped electrostatic latent image in the main scanning direction, and B is the length (mum) of a toner dot of the dot-shaped toner image in the main scanning direction.

Classifications:

International (IPC 8-9): B41J2/41 B41J2/435 G03G15/00 G03G15/08
G03G5/04 G03G5/147 G03G9/087 G03G9/09

G11B3/00 (Advanced/Invention);

B41J2/41 B41J2/435 G03G15/00 G03G15/08 G03G5/04 G03G5/147

G03G9/087 G03G9/09 G11B3/00 (Core/Invention)

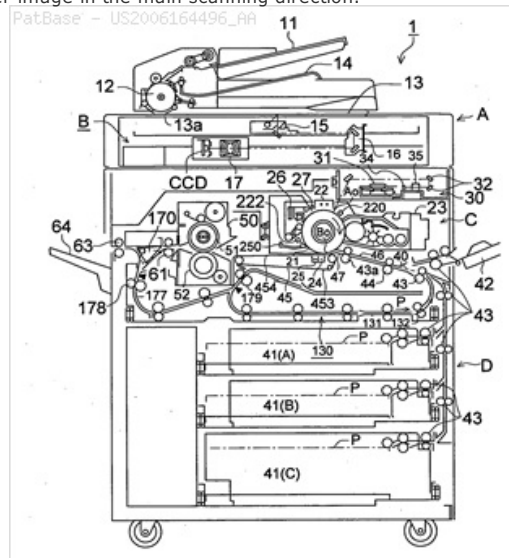
CPC: G03G15/043 G03G2215/0465

European: G03G15/043 S03G215/04C1C

US: 347/112

JP F-Term: 2H005 2H005/AB03 2H005/EA05 2H005/EA10 2H068
2H068/AA14 2H068/AA28 2H068/AA34 2H068/AA35 2H068/AA39
2H068/BB31 2H077 2H077/EA03 2H077/EA13 2H077/EA14 2H077/FA13
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2H171/FA12 2H171/FA13 2H171/FA14 2H171/QA02 2H171/QA08
2H171/QA24 2H171/QB02 2H171/QB15 2H171/QB16 2H171/QB17
2H171/QB21 2H171/QB22 2H171/QB23 2H171/QB24 2H171/QB34
2H171/QB41 2H171/QB53 2H171/QB54 2H171/QB56 2H171/QB57
2H171/QB58 2H171/QC03 2H171/QC22 2H171/QC24 2H171/QC32
2H171/QC36 2H171/SA07 2H171/SA12 2H171/UA02 2H171/UA03
2H171/UA23 2H171/VA02 2H171/VA04 2H171/VA06 2H500 2H500/AA13
2H500/EA47 2H500/EA52 2H500/EA53 2H500/FA09 2H500/FA15

JP F-Index: G03G15/00 G03G15/08/220 G03G15/08/507/L G03G5/04
G03G5/147/504 G03G9/08/361 G03G9/08/381 G03G9/09

**Family:**

Publication number	Publication date	Application number	Application date
JP2006227585 A2	20060831	JP20050364523	20051219
JP4380627 B2	20091209	JP20050364523	20051219
US2006164496 AA	20060727	US20050235578	20050926
US7466326 BB	20081216	US20050235578	20050926

Priority:

JP20050013888 20050121 JP20050364523 20051219

Probable Assignee: KONICA MINOLTA HOLDINGS INC

Assignee(s): (std): KONICA MINOLTA BUSINESS TECH ; KONICA MINOLTA BUSINESS TECHNO

Assignee(s): KONICA MINOLTA BUSINESS TECHNOLOGIES INC ; KONICA MINOLTA HOLDINGS INC
Inventor(s): (std): TOKUTAKE SHIGEAKI ; ASANO MASAO ; YAMAZAKI HIROSHI ; ETO YOSHIHIKO ; ASANO MASANARI
Agent(s): LUCAS AND MERCANTI LLP

20) Family number: 71313424 (US2018272300A)

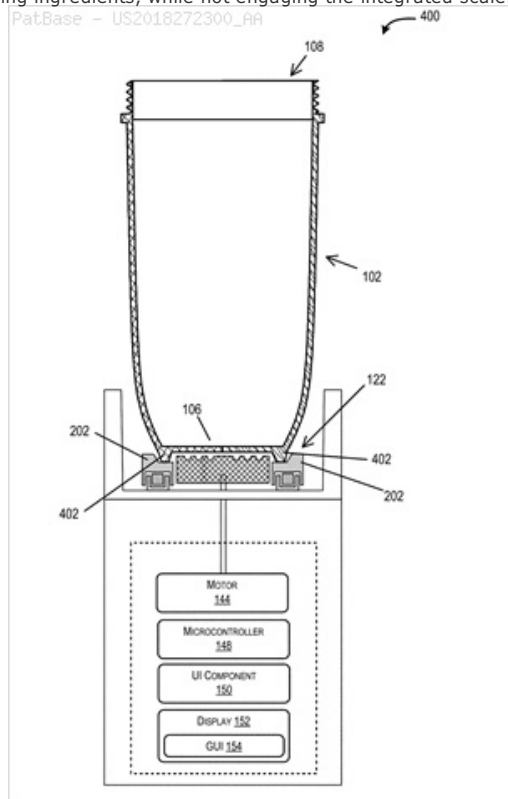
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Title: BLENDER INCLUDING AN INTEGRATED SCALE

Abstract: A blender includes an integrated scale that may be used to weigh ingredients added to the blender. The integrated scale is configured and mounted atop the blender to allow for a vessel that receives ingredients to sit apart from a motor clutch mechanism of the blender when measuring ingredients. The integrated scale is also designed and mounted to allow the vessel to engage with the motor of the mixing apparatus when blending and/or mixing ingredients, while not engaging the integrated scale.

Classifications:

International (IPC 8-9): A47J43/04 A47J43/046 A47J43/07 B01F13/10 B01F15/00 B01F7/16 B01F7/20 B02C18/12 B02C25/00 G01G3/12 (Advanced/Invention)
CPC: B01F15/00194 B01F13/1041 B01F13/1066 B01F7/20 B01F2013/108 B01F15/00305 B02C18/12 B02C25/00 B01F7/162 A47J43/046 A47J43/0716 A47J2043/0733 A47J36/321
US: 1/1 241/25



Family:

Publication number	Publication date	Application number	Application date
US2018272300 AA	20180927	US20170467110	20170323
WO18175479 A1	20180927	WO2018US23412	20180320

Priority:

US20170467110 20170323

Probable Assignee: PERFECT CO

Assignee(s): (std): PERFECT CO

Inventor(s): (std): WALLACE MICHAEL WAYNE ; ODOM PHILIP TREVOR

Agent(s): LEMOND KEVIN T 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 JO JP KE KG KH 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

21) Family number: 8436472 (US5317964A)

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Title: Apparatus for reducing the fat content of fried foods

Abstract: The apparatus comprises a base unit, a rotatable shaft extending vertically from the base unit, a means for rotating the shaft, and a rotatable cylindrical basket capable of holding fried foods. The basket comprises an horizontally disposed circular bottom piece and a vertically disposed cylindrical piece of porous material being attached at its lower open end to the outer edge of the circular bottom piece to form the vertical wall of the basket. The basket is vertically connectible to and removable from the rotatable shaft. The apparatus further comprises a means for coupling the rotatable shaft to the rotatable basket so that the axis of the shaft is aligned with the axis of the basket. The apparatus also comprises a solid vertical wall surrounding the porous vertical wall of the rotatable basket. The solid vertical wall has an annular channel on the inside of its lower edge so that it has a substantially J-shaped cross section. The solid vertical wall is vertically mountable on the removable from the apparatus so that

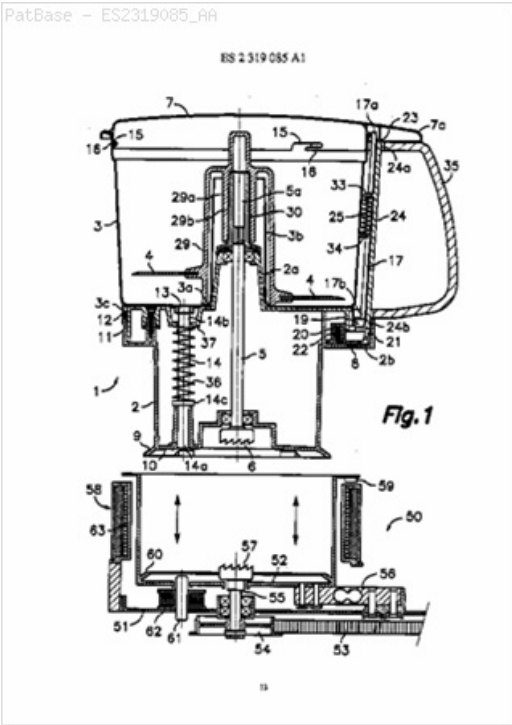
para interactuar con la unidad base (50) incluyendo un elemento detectable (8) para interactuar con el detector (59) de la unidad base (50).

Classifications:

International (IPC 8-9): A47J43/046 A47J43/07 (Advanced/Invention);
A47J43/04 (Core/Invention)

CPC: A47J43/0722

European: A47J43/07C2



Family:

Publication number	Publication date	Application number	Application date
ES2319085 AA	20090501	ES20080002999	20081023
ES2319085 BA	20100316	ES20080002999	20081023

Priority:

ES20080002999 20081023

Probable Assignee: TAURUS SL ELECTRODOMESTICOS

Assignee(s): (std): TAURUS SL ELECTRODOMESTICOS

Assignee(s): ELECTRODOMESTICOS TAURUS S L ; ELECTRODOMESTICOS TAURUS SL

Inventor(s): (std): ALET VIDAL JOSEP ; LOPEZ VIZCAINO FRANCISCO ; MARIN MARIN JESUS ; TRENCH ROCA LLUIS

Inventor(s): FRANCISCO LOPEZ VIZCAINO ; JESUS MARIN MARIN ; JOSEP ALET VIDAL ; LLUIS TRENCH ROCA

23) Family number: 65837549 (US2019106871A)

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Title: SKIRT VALVE FOR KITCHEN SINK, AND METHOD OF DISPOSING OF FOOD

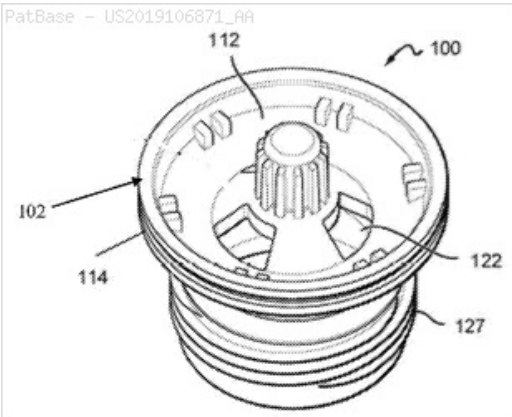
Abstract: The inventive subject matter provides apparatus, systems, and methods in which a valve mechanism is incorporated into a drain to reduce or prevent noise or food fragments from emitting out of an operating garbage disposal. The valve mechanism is generally a skirt valve biased to a closed position, disposed within a housing, and inserted into a drain such that food or fluid passes through the valve into a downstream grinding device. Once the food or fluid has passed through the valve, the valve closes.

Classifications:

International (IPC 8-9): E03C1/266 E03C1/28
E03C1/282 (Advanced/Invention)

CPC: E03C1/298 E03C1/266

US: 1/1



Family:

Publication number	Publication date	Application number	Application date
US2019106871 AA	20190411	US20160086709	20161123

WO17091692 A2	20170601	WO2016US63528	20161123
WO17091692 A3	20171116	WO2016US63528	20161123

Priority:

US20150260089P 20151125 US20160309187P 20160316 US20160086709 20161123
WO2016US63528 20161123

Probable Assignee: GREEN DRAIN INC

Assignee(s): (std): GREEN DRAIN INC

Inventor(s): (std): BOCCHINO JASON

Agent(s): FISH ROBERT 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

24) Family number: 33255583 (US2006188798A)

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Title: ORGANIC PHOTORECEPTOR, IMAGE FORMING APPARATUS, IMAGE FORMING METHOD AND PROCESS CARTRIDGE

Abstract: An organic photoreceptor, comprising a conductive support, an intermediate layer provided on the conductive support, having a thickness of 6 to 25 μm and containing inorganic particles having a number average primary particle diameter of 5 to 200 μm; and a photosensitive layer provided on the intermediate layer and having a thickness of 8 to 18 μm, wherein the thickness of the intermediate layer is larger than that of the photosensitive layer.

Classifications:

International (IPC 8-9): G03G15/08 G03G5/14 (Advanced/Invention);

G03G15/08 G03G5/14 (Core/Invention)

CPC: G03G5/144 G03G9/0819

European: G03G5/14B2 G03G9/08D

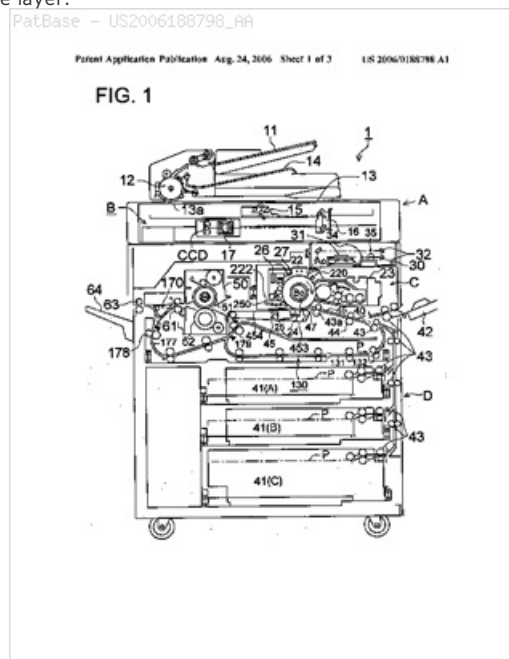
US: 399/159 430/123.4 430/123.41 430/123.43 430/60 430/64 430/65

JP F-Term: 2H068 2H068/AA28 2H068/AA34 2H068/AA35 2H068/AA43

2H068/AA44 2H068/AA48 2H068/BB28 2H068/CA22 2H068/CA29

2H068/FA27

JP F-Index: G03G5/14/101/D G03G5/14/101/E



Family:

Publication number	Publication date	Application number	Application date
JP2006259702 A2	20060928	JP20060029477	20060207
JP4201007 B2	20081224	JP20060029477	20060207
US2006188798 AA	20060824	US20050318901	20051227
US7531282 BB	20090512	US20050318901	20051227

Priority:

JP20050043795 20050221 JP20060029477 20060207

Probable Assignee: KONICA MINOLTA HOLDINGS INC

Assignee(s): (std): KONICA MINOLTA BUSINESS TECH ; KONICA MINOLTA BUSINESS TECHNO

Assignee(s): KONICA MINOLTA BUSINESS TECHNOLOGIES INC ; KONICA MINOLTA HOLDINGS INC

Inventor(s): (std): TOKUTAKE SHIGEAKI ; ETO YOSHIHIKO

Agent(s): LUCAS AND MERCANTI LLP

25) Family number: 57468606 (US2014349360A)

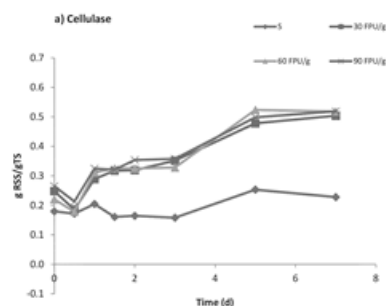
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Title: METHODS AND SYSTEM FOR LIQUEFACTION, HYDROLYSIS AND FERMENTATION OF AGRICULTURAL FEEDSTOCKS

Abstract: Treatment of agricultural biomass without separation of the biomass to extract fermentable feedstock, instead using a hydrolytic process upstream of the fermentation process, provides an efficient and cost-effective process for forming ethanol from agricultural biomass.

Classifications:**International (IPC 8-9):** C10L1/02 C12P7/06 C12P7/08 C12P7/10 C12P7/14 (Advanced/Invention)**CPC:** C12P7/14 C10L1/02 C12P7/10 C12P2201/00 Y02E50/16 C12P7/06 Y02E50/17**US:** 435/162

PatBase - US2014349360_AA

FIG. 1A**Family:**

Publication number	Publication date	Application number	Application date
EP2976431 A1	20160127	EP20140768756	20140319
EP2976431 A4	20161116	EP20140768756	20140319
US2014349360 AA	20141127	US20140220033	20140319
WO14153425 A1	20140925	WO2014US31262	20140319

Priority:

US20130803405P 20130319 US20140220033 20140319 WO2014US31262 20140319

Probable Assignee: ENERGY BEET DESIGNS LLC**Assignee(s):** (std): ENERGY BEET DESIGNS LLC ; UNIV CALIFORNIA**Assignee(s):** THE UNIV OF CALIFORNIA**Inventor(s):** (std): DIENER JOHN E ; PUCHEU WILLIAM C ; TISCHER JAMES R ; ZICARI STEVEN M ; MOORE JIMMY L ; MANTERNACH JEFFREY H ; WINCKLER JOSEPH W ; ZHANG RUIHONG**Agent(s):** HOFFMANN EITL; MANN JEFFRY S 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**26) Family number: 75905615 (CA3070689A)**

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Title: METHODS AND SYSTEMS FOR INDUSTRIAL PROCESSES

Abstract: The present application relates to the production of cannabis products, particularly on a large scale, such as at an industrial level. Cannabis is typically a controlled and regulated substance, and so inventory control, security, and traceability of the cannabis may need to be provided. A human-based manual and/or labour-intensive implementation is not scalable, and is therefore infeasible at an industrial level. Disclosed herein are computer systems for inventory control, security systems, and computer methods for facilitating traceability from a cannabis product back to a batch of cannabis plants.

Classifications:**International (IPC 8-9):** A01G22/00 A23L2/52 A23L33/105 A61K36/185

A61K9/00 A61K9/10 A61K9/107 A61K9/72 B01D11/02 B65B3/04

B65B5/00 B65C3/00 B65C9/26 B65C9/46 B67C3/22 G06F16/20

G06F16/22 G06F16/24 G06F16/90 G06Q10/08 G06Q50/02 G06Q50/04

G08B21/18 G16Z99/00 H04N21/8405 H04N21/85 (Advanced/Invention);

A23L2/52 A23L33/105 G09F3/08 (Advanced/Non-invention)

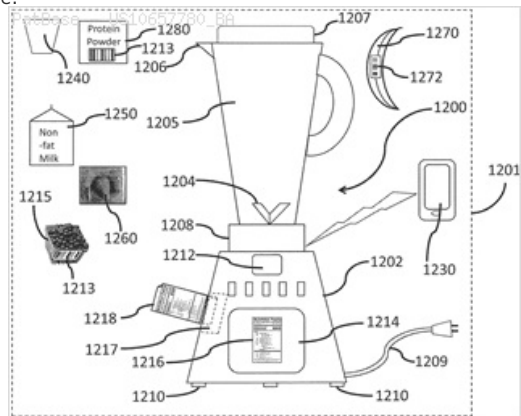
CPC: G06F16/381 G06F16/909 G06Q10/083 G06Q50/02

Publication number	Publication date	Application number	Application date
CA3048298 AA	20190906	CA20193048298	20190628
CA3062485 AA	20190906	CA20193062485	20190628
CA3070689 AA	20190906	CA20193070689	20190628

CA20193033404 20190211	CA20193048298 20190628
Probable Assignee:	HEXO OPERATIONS INC
Assignee(s): (std):	HEXO OPERATIONS INC
Assignee(s):	ALSAYAR MAX ; ALSAYAR MOHAMMAD MAX
Inventor(s): (std):	ALSAYAR MAX ; ALSAYAR MOHAMMAD MAX
Agent(s):	SMART AND BIGGAR; SMART AND BIGGAR LLP

Abstract: Systems, methods, and apparatus are disclosed that enable certain establishments that serve self-serve food and/or serve food via vending machines, to comply with recently issued FDA rules for providing calorie content and Nutrition Facts information to consumers. The calorie content and/or Nutrition Facts may be displayed on an electronic display, printed on a label, and/or provided via an audible signal, and/or may be provided in real time.

International (IPC 8-9): B65D25/56 G08B3/10 G08B5/22
G08B7/06 (Advanced/Invention)
CPC: G08B7/06 B65D25/56 G08B3/10 G08B5/22



Publication number	Publication date	Application number	Application date
US10657780 BA	20200519	US20170691428	20170830

PatBase PDF Export - Page: 19 24/05/2020

Assignee(s): TRANSPARENSEE LLC
Inventor(s): KLINE MICHAEL J
Agent(s): BAKERHOSTETLER

28) Family number: 76263634 (WO19201766A1)

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Title: A FOOD PROCESSING APPARATUS AND A METHOD OF OPERATING THE SAME

Abstract: There is provided an apparatus (10) for processing food stuff. The apparatus (10) comprises a container (110) for receiving a food stuff; a food processing unit (120) for processing the food stuff in the container; a force sensor (130) for measuring an operation parameter, and a control unit (140) for operating the food processing unit (120) based on measurements received from the sensor. The sensor is furthermore configured to measure an interaction with the apparatus by a user. The control unit is configured to receive measurements of the user interaction from the sensor (130) and process the received measurements to determine if a predetermined user interaction or a predetermined user interaction pattern corresponding to a user input command has been performed by the user.

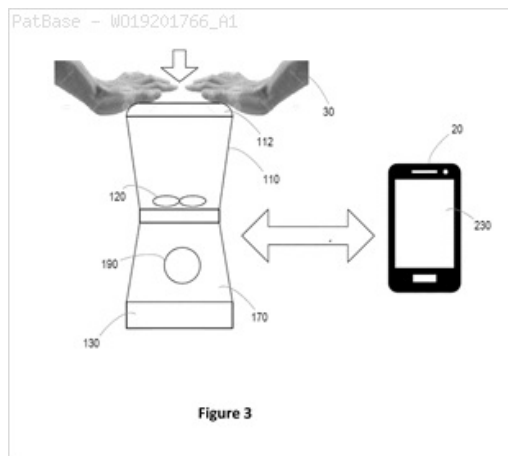
Classifications:

International (IPC 8-9): A47J27/21 A47J31/00

A47J43/07 (Advanced/Invention)

CPC: A47J27/21083 A47J31/002 A47J43/0766 A47J43/0772

A47J2043/0733



Family:

Publication number	Publication date	Application number	Application date
EP3556266 A1	20191023	EP20180167674	20180417
WO19201766 A1	20191024	WO2019EP59407	20190412

Priority:

EP20180167674 20180417

Probable Assignee: PHILIPS KONINKLL NV

Assignee(s): (std): PHILIPS KONINKLL NV

Inventor(s): (std): PICHLER MARIO ; MAIER DIETER JOHANN ; MAIER DIETER

Agent(s): DE HAAN POUL ERIK; DE VRIES JANNA 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 JO JP KE KG KH KM KN KP KR KW 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

29) Family number: 60176686 (US2015290795A)

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Title: METHODS AND SYSTEMS FOR FOOD PREPARATION IN A ROBOTIC COOKING KITCHEN

Abstract: The present disclosure is directed to methods, computer program products, and computer systems for instructing a robot to prepare a food dish by replacing the human chef's movements and actions. Monitoring a human chef is carried out in an instrumented application-specific setting, a standardized robotic kitchen in this instance, and involves using sensors and computers to watch, monitor, record and interpret the motions and actions of the human chef, in order to develop a robot-executable set of commands robust to variations and changes in the environment, capable of allowing a robotic or automated system in a robotic kitchen to prepare the same dish to the standards and quality as the dish prepared by the human chef.

Classifications:

International (IPC 8-9): A47J A47J27/62 A47J36/32 A47J43/04 A47J44/00

B25J11/00 B25J13/00 B25J13/02 B25J13/08 B25J19/02 B25J3/04

B25J9/00 B25J9/16 B25J9/18 B25J9/22 B62D57/032 G05B

G05B19/42 (Advanced/Invention)

CPC: A47J27/62 G05B2219/2603 B25J9/0081 A47J36/321 B25J3/04

B25J9/0018 B25J9/0087 B25J9/163 B25J11/009 B25J13/02 B25J19/02

G05B2219/40116 Y10S901/01 Y10S901/03 Y10S901/28 B62D57/032

G05B19/42 G05B2219/36184 G05B2219/40391 G05B2219/40395

US: 1/1 700/245 700/250 700/257 901/1 901/28 901/3

JP F-Term: 3C707 3C707/AS34 3C707/BS12 3C707/BS26 3C707/CS05

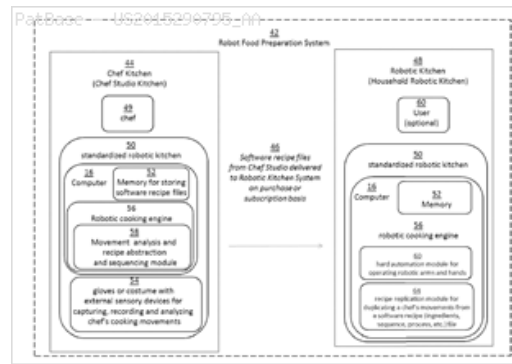
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3C707/KS36 3C707/KT03 3C707/KT04 3C707/KV08 3C707/KV11

3C707/KX07 3C707/LV14 3C707/LW12 3C707/MT06 3C707/BS10

3C707/ES07 3C707/JS03 3C707/KS39 3C707/LV02 3C707/MT11

3C707/WA03 3C707/WL08 3C707/WM11 4B053 4B053/AA01 4B053/BA19

**Family:**

Publication number	Publication date	Application number	Application date
AU2015220546 AA	20160609	AU20150220546	20150220
AU2015311234 AA	20170223	AU20150311234	20150819
AU2020200017 AA	20200130	AU20200200017	20200102
CA2933095 AA	20160608	CA20152933095	20150220
CA2959698 AA	20170301	CA20152959698	20150819
CN106030427 A	20161012	CN201580009171	20150220
CN107343382 A	20171110	CN201580056661	20150819
EP3107429 A2	20161228	EP20150718079	20150220
EP3188625 A1	20170712	EP20150754120	20150819
HK1232421 A1	20180112	HK20170106298	20170623
IN201647028133 A	20160930	IN201647028133	20160818
IN201747006161 A	20170609	IN201747006161	20170221
JP2017506169 T2	20170302	JP20160570195T	20150220
JP2017536247 T2	20171207	JP20170513017T	20150819
KR20160124770 A	20161028	KR20167022615	20150220
KR20170061686 A	20170605	KR20177009064	20150819
RU2016134234 A	20180226	RU20160134234	20150220
RU2016134234 A3	20180907	RU20160134234	20150220
RU2017106935 A	20180903	RU20170106935	20150819
RU2017106935 A3	20190212	RU20170106935	20150819
RU2699690 C2	20190909	RU20160134234	20150220
SG10201910615U A1	20191230	SG20191010615	20150819
SG10202000787P A1	20200330	SG20201000787	20150819
SG11201701093S A1	20170330	SG20171101093	20150819
US2015290795 AA	20151015	US20150627900	20150220
US2016059412 AA	20160303	US20150829579	20150818
US2018029222 AA	20180201	US20170782203	20171012
US2018043526 AA	20180215	US20170782154	20171012
US2018147718 AA	20180531	US20170793471	20171025
US2018257219 AA	20180913	US20170782230	20171012
US2019381654 AA	20191219	US20190405293	20190507
US2020030971 AA	20200130	US20190571162	20190915
US9815191 BB	20171114	US20150627900	20150220
US10518409 BB	20191231	US20150829579	20150818
WO15125017 A2	20150827	WO2015IB00379	20150220
WO15125017 A3	20160602	WO2015IB00379	20150220
WO16034269 A1	20160310	WO2015EP01704	20150819

Priority:

US20140942559P	20140220	US20140953930P	20140316	US20140987406P	20140501
US20140990431P	20140508	US20140013502P	20140617	US20140013190P	20140617
US20140013691P	20140618	US20140024948P	20140715	US20140044677P	20140902
US20140055799P	20140926	US20140073846P	20141031	US20140083195P	20141122
US20140090310P	20141210	US20150104680P	20150116	US20150109051P	20150128
US20150113516P	20150208	US20150116563P	20150216	AU20150220546	20150220
RU20160134234	20150220	US20150627900	20150220	WO2015IB00379	20150220
US20140136624P	20150322	US20150136624P	20150322	US20150146367P	20150412
US20150161125P	20150513	US20150166879P	20150527	US20150189670P	20150707
US20150202030P	20150806	US20150829579	20150818	RU20170106935	20150819
WO2015EP01704	20150819	US20170782203	20171012	US20170782154	20171012
US20170782230	20171012	US20170793471	20171025	US20190405293	20190507
US20190571162	20190915	AU20200200017	20200102		

Probable Assignee: MBL LTD**Assignee(s):** (std): MBL LTD ; OLEJNIK MARK ; OLEJNIK MARK**Inventor(s):** (std): OLEJNIK MARK ; OLEJNIK MARK

Agent(s): SPRUSON AND FERGUSON; ADAMS PLUCK; SMART AND BIGGAR; PLATZOEDER MICHAEL CHRISTIAN; MARKS AND CLERK; NISHIJIMA TAKAKI; OHTSUKA FUMIAKI; SUDA HIROYUKI; KONDO NAOKI; UESUGI HIROSHI; DESHIMARU TAKESHI; MBI TSENTR NOVOSLOBODSKAYA DLYA TV APARINOJ OOO; RODYK IP; PETER; DENTONS US LLP; SU PETER; RADLO AND SU; KORENBERG ALEXANDER TAL ET AL; WALLINGER RICKER SCHLOTTER TOSTMANN

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

30) Family number: 57412687 (US2014271734A)

PatBase

Title: BILE ACID RECYCLING INHIBITORS FOR TREATMENT OF BARRETT'S ESOPHAGUS AND GASTROESOPHAGEAL REFLUX DISEASE

Abstract: Provided herein are methods of treating or ameliorating Barrett's esophagus by administering to an individual in need thereof a therapeutically effective amount of an Apical Sodium-dependent Bile Acid Transporter Inhibitor (ASBTI) or a pharmaceutically acceptable salt thereof. Provided herein are methods of treating or ameliorating gastroesophageal reflux disease (GERD) by administering to an individual in need thereof a therapeutically effective amount of an ASBTI or a pharmaceutically acceptable salt thereof. Also provided are methods for treating or ameliorating symptoms or complications associated with Barrett's esophagus or GERD comprising administering to an individual in need thereof a therapeutically effective amount of ASBTI or a pharmaceutically acceptable salt thereof.

Classifications:

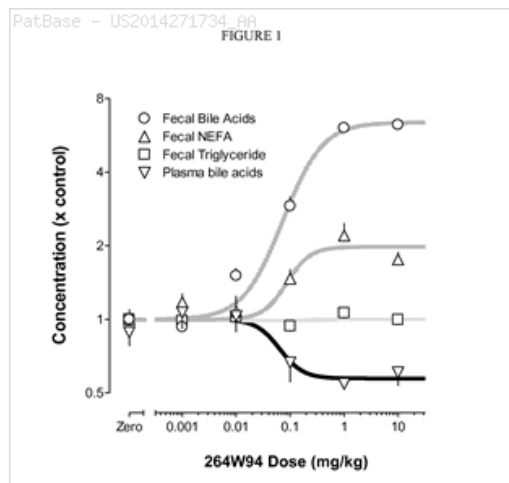
International (IPC 8-9): A61K31/155 A61K31/16 A61K31/38 A61K31/40 A61K31/4453 A61K31/452 A61K31/454 A61K31/495 A61K31/4985 A61K31/4995 A61K31/5377 A61K31/554 A61K31/7042 A61K45/00 A61K45/06 A61K9/28 A61P1/00 A61P1/04 A61P43/00 C07C279/12 C07D207/16 C07D249/14 C07D295/13 C07D313/08 C07D337/08 C07D487/08 (Advanced/Invention)

CPC: A61K9/28 C07D337/08 A61K31/38 A61K31/4995 A61K31/554 A61K45/06 C07D207/09 C07D207/16 C07D249/14 C07D295/13 C07D313/08 C07D487/08 A61P1/00 A61P1/04 A61P43/00

US: 424/400 514/237.2 514/249 514/252.12 514/315 514/326 514/408 514/626 514/635

JP F-Term: 4C084/AA17 4C084/AA20 4C084/MA17 4C084/MA28 4C084/MA31 4C084/MA35 4C084/MA37 4C084/MA52 4C084/MA60 4C084/NA05 4C084/NA14 4C084/ZA66 4C084/ZC02 4C084/ZC75 4C086 4C086/AA01 4C086/AA02 4C086/BB01 4C086/BC21 4C086/BC50 4C086/BC73 4C086/BC92 4C086/CB09 4C086/GA02 4C086/GA04 4C086/GA07 4C086/GA09 4C086/GA12 4C086/MA52 4C086/NA05 4C086/NA14 4C086/ZA66 4C086/ZC02 4C201 4C206 4C206/AA01 4C206/AA02 4C206/HA31 4C206/MA57 4C206/MA72 4C206/NA05 4C206/NA14 4C206/ZA66 4C206/ZC02 4C206/ZC75

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