Search history

Search 1: FT=((container or vessel or recipient or receptacle) and ice and spher*) (Results 27379)

Search 2: FT=((container or recipient or receptacle) and ice and spher*) (Results 20917)

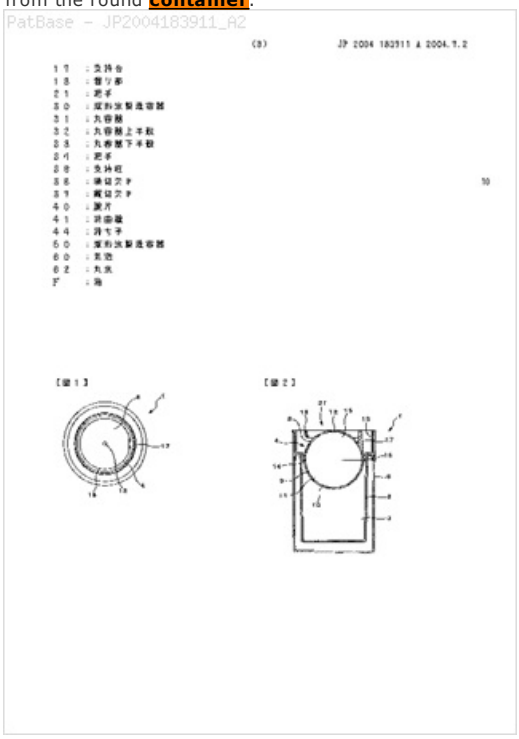
Search 3: FT=((container or vessel or recipient or receptacle) and (ice sphere or spherical ice)) (Results 82)

Search 4: 3 and PD<20170802 (Results 80)

28) Family number: 30792447 (JP2004183911A)

Title: **SPHERICAL** **ICE** PRODUCING **CONTAINER** WITH HANDLE

Abstract: Source: JP2004183911A PROBLEM TO BE SOLVED: To provide a **spherical** **ice** producing **container** with a handle allowing the easy takeout of round ice. SOLUTION: This **spherical** **ice** producing **container** with the handle comprises a cylindrical water storage **container** and a round **container** formed by densely engaging a round **container** upper half shell and a round **container** lower half shell having inner surfaces formed in semi-spherical shapes by undercut connection to provide a spherical space therein. The handle for pulling the round **container** upper half shell upward from the round **container** lower half shell is installed on the round **container** upper half shell. Thus, by using the handle, the round **container** upper half shell can be raised in a direction for separating the round **container** lower half shell from the round **container** lower half shell, and the round ice can be easily taken out from the round **container**.



Classifications:
International (IPC 8-9): F25C1/24 (Advanced/Invention); F25C1/22 (Core/Invention)
International (IPC 1-7): F25C1/24

Family:

Publication number	Publication date	Application number	Application date
JP2004183911 A2	20040702	JP20020347732	20021129
JP4269250 B2	20090527	JP20020347732	20021129

Priority:
JP20020347732 20021129

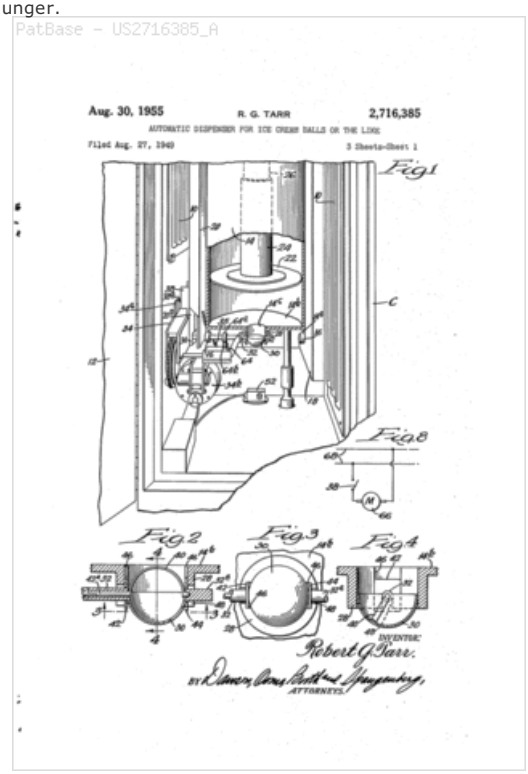
Probable Assignee: YOSHINO KOGYOSHO CO LTD
Assignee(s): (std): YOSHINO KOGYOSHO CO LTD
Inventor(s): (std): ARAI TSUGIO ; FURUSAWA MITSUO ; WATANABE AKIHIKO

29) Family number: 22312206 (US2716385A)

Title: AUTOMATIC DISPENSER FOR ICE CREAM BALLS OR THE LIKE

Abstract: Source: US2716385A (Claim 1) 1. In an automatic dispenser for balls of ice cream or the like, the combination of a cylindrical ice cream **container** having an outlet tube, an ice cream cup snugly fitted in said outlet tube, means supporting said cup fIr movements in response to pressure of ice cream in said tube, means biasing said cup against the pressure of ice cream in said tube, a plunger in said **container**, means operable in response to a predetermined movement of said cup against the ice cream pressure to move said plunger towards said tube and rsponsive to a predetermined movement of said cup with the ice cream pressure to discontinue movements of said plunger.

Classifications:
International (IPC 8-9): A23G9/28 (Advanced/Invention); A23G9/04 (Core/Invention)
International (IPC 1-7): A23G9/28
CPC: A23G9/287
European: A23G9/28H
US: 425/162 425/282 425/556



Family:

Publication number	Publication date	Application number	Application date
US2716385 A	19550830	US19490112725	19490827

Priority:
US19490112725 19490827

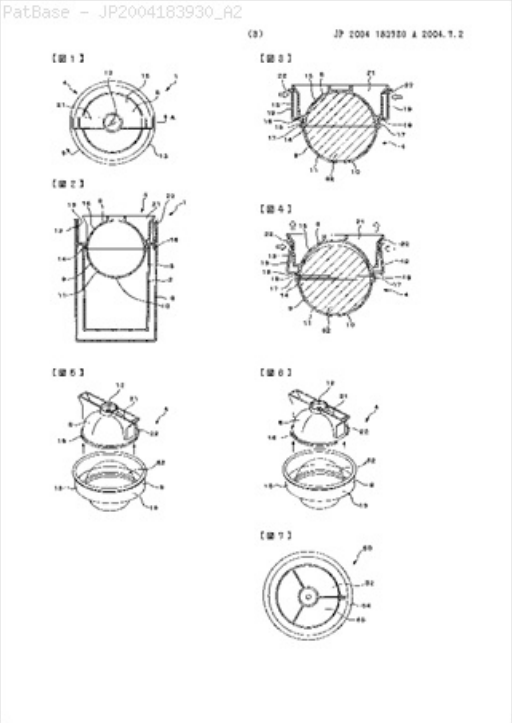
Probable Assignee: TARR ROBERT G
Assignee(s): (std): TARR ROBERT G
Inventor(s): (std): TARR ROBERT G

30) Family number: 30792465 (JP2004183930A)

Title: **SPHERICAL** **ICE** PRODUCING **CONTAINER** WITH TILTED SURFACE

Abstract: Source: JP2004183930A PROBLEM TO BE SOLVED: To provide a **spherical** **ice** producing **container** allowing the easy retrieval of round ices. SOLUTION: This **spherical** **ice** producing **container** comprises a bottomed cylindrical water storage **container** and a round **container** having a spherical space on the inner side thereof by densely engaging a round **container** upper half shell with a round **container** lower half shell having inner surfaces formed in semi-spherical shapes by undercut connection at the outer peripheral ends thereof. The tilted surface opening upward is disposed on the round **container** upper half shell so as to be pressed from the outer periphery of the round **container** lower half shell. By this, when the round ices are made in the round **container**, the tilted surface is pressed from the outer periphery of the lower half shell to raise the round **container** upper half shell in a direction apart from the round **container** lower half shell so that the round ices can be easily removed from the round **container**.

Classifications:
International (IPC 8-9): F25C1/24 (Advanced/Invention);
F25C1/22 (Core/Invention)
International (IPC 1-7): F25C1/24



Family:

Publication number	Publication date	Application number	Application date
JP2004183930 A2	20040702	JP20020349234	20021129
JP4269251 B2	20090527	JP20020349234	20021129

Priority:
JP20020349234 20021129

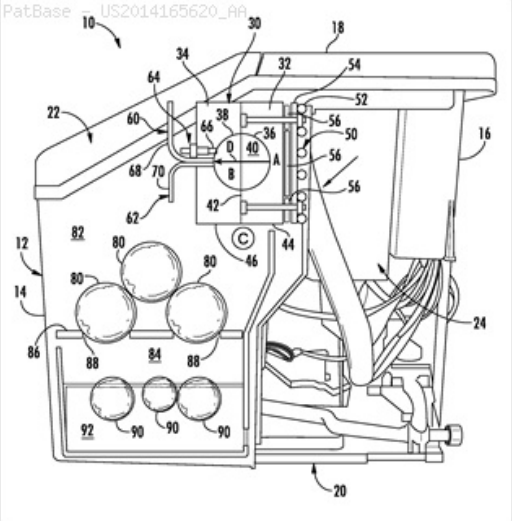
Probable Assignee: YOSHINO KOGYOSHO CO LTD
Assignee(s): (std): YOSHINO KOGYOSHO CO LTD
Inventor(s): (std): KOBAYASHI TSUTOMU ; KAMIMURA HIDEO

31) Family number: 56725901 (US2014165620A)

Title: MOLDED CLEAR **ICE** **SPHERES**

Abstract: Source: US2014165620A A method of making clear **ice** **spheres** includes a providing a mold apparatus having a first mold portion and a second mold portion having mold cavity segments which define one or more mold cavities when the mold apparatus is assembled in an ice forming position. The mold apparatus is then cooled using a cooling source in thermal communication with the first mold portion. Water is then injected into the mold cavities, such that a portion of the water injected into the mold cavities is solidified in a directional manner from the first mold portion to the second mold portion to create a clear ice structure. Water is continuously circulated within the mold cavities to ensure clear ice is formed by injecting and simultaneously ejecting water from the mold cavities during ice formation. The ice clear structures are then released from the mold apparatus by disassembling the mold apparatus.

Classifications:
International (IPC 8-9): F25C1/18 F25C1/22 (Advanced/Invention)
CPC: F25C1/18 F25C1/22
US: 1/1 62/71



Family:

Publication number	Publication date	Application number	Application date
US2014165620 AA	20140619	US20120713131	20121213
US9080800 BB	20150714	US20120713131	20121213

Priority:

US20120713131 20121213

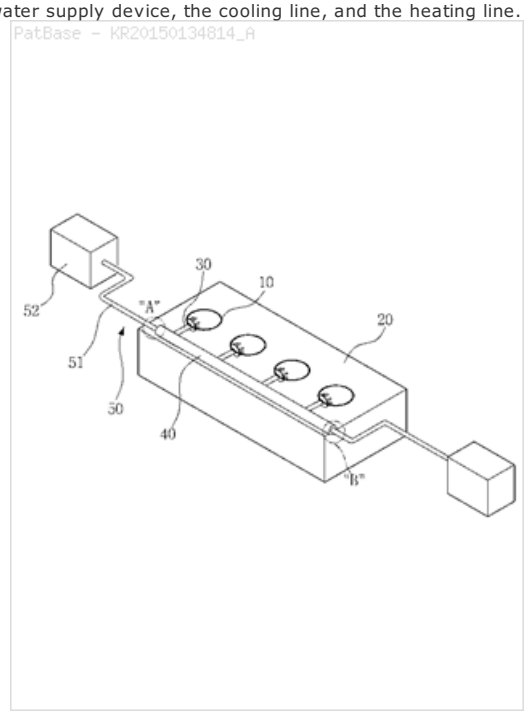
Probable Assignee:	WHIRLPOOL CORP
Assignee(s): (std):	WHIRLPOOL CO
Assignee(s):	WHIRLPOOL CORP
Inventor(s): (std):	CULLEY BRIAN K

32) Family number: 61304061 (KR20150134814A)

Title: A ICE BALL MANUFACTURING UNIT

Abstract: Source: KR20150134814A The present invention relates to an ice ball manufacturing device having an ice rotation removal function, a manufacturing method thereof, and an ice ball manufactured by the same, wherein the ice rotation removal function generates the ice ball using an ice manufacturing **container** and easily rotates and removes the ice by properly using an ice gripping device and a rotation device in a step of removing the ice ball from the ice manufacturing **container**. The ice ball manufacturing device includes: a semi-sphere (10) having a cooling line (11) and a heating line (12) on the surface and generating semi-**spherical** **ice** after being filled with water; the ice manufacturing **container** (20) on which the semi-sphere is mounted; a gripping unit (30) partially inserted into the semi-sphere and combined with the ice when the ice is generated in the semi-sphere; a guide rod (40) extended from the gripping unit and inducing the generation of sphere-shaped ice by rotating the semi-**spherical** **ice** at 180 degrees while the semi-**spherical** **ice** is gripped and by generating the rest of the semi-**spherical** **ice**; a semi-**spherical** **ice** moving unit (50) connected to the guide rod and inducing the generation of the semi-**spherical** **ice** by rotating the gripping unit at 180 degrees by providing power of moving the guide rod, and making the water into the ice after temporarily locating the semi-**spherical** **ice** on the water; a rotation unit (60) for removal, which is connected to the gripping unit and used to remove the ice by rotating at 180 degrees around the semi-sphere; a water supply device (70) supplying the water to the semi-sphere; and a control unit totally controlling the semi-**spherical** **ice** moving unit, the rotation unit for removal, the water supply device, the cooling line, and the heating line.

Classifications:
International (IPC 8-9): F25C1/10 F25C5/08
F25C5/16 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
KR20150134814 A	20151202	KR20140062099	20140523

Priority:
KR20140062099 20140523

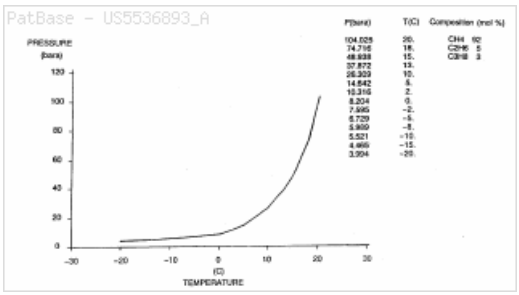
Probable Assignee: KIM DAE YOUNG
Assignee(s): (std): KIM DAE YOUNG
Inventor(s): (std): KIM DAE YOUNG

33) Family number: 12658780 (US5536893A)

Title: Method for production of gas hydrates for transportation and storage

Abstract: Source: US5536893A Method for the production of gas hydrates for storage and transportation of hydrate forming gases. The gas is pressurized and cooled, whereupon the gas (1b) is supplied to a **vessel** (6), to which water (7) is added simultaneously to the **vessel** (6) to form fine water droplets that are dispersed in the gas (1b) supplied. The temperature and pressure in the **vessel** (6) are adjusted to produce hydrate from water and gas. The gas (1b) supplied and the water droplets (7) react to form hydrate (8a); then the hydrate is then withdrawn from the reactor (6), optionally cooled in a cooling apparatus (11), and then passed to an agglomeration step (12) to agglomerate the hydrate (8a), thus increasing the density of the hydrate (8a) and to embed more gas in the interstices between the hydrate particles (8a). The agglomerated hydrate particles (8a) are transported to a suitable transportation unit or storage **container** to transport/store the hydrate at adiabatic conditions at atmosphere pressure or at a slight gauge pressure at a temperature below 0 DEG C., preferably at minus 10 DEG C. to minus 15 DEG C.

Classifications:
International (IPC 8-9): B01J10/00 C07C9/04 C07C9/06 C07C9/08 C10L3/00 C10L3/06 F17C11/00 (Advanced/Invention)
International (IPC 1-7): C07C7/20
CPC: B01J10/00 C07C9/04 C07C9/06 C07C9/08 C10L3/00 C10L3/06 C10L3/108 F17C11/007
European: B01J10/00 C07C9/04 C07C9/06 C07C9/08 C10L3/00 C10L3/06 C10L3/10F F17C11/00F
US: 208/187 585/15 62/45.1



Family:

Publication number	Publication date	Application number	Application date
US5536893 A	19960716	US19940195748	19940107

Priority:

US19940195748 19940107

Probable Assignee: MITSUI ENGINEERING AND SHIPBUILDING CO LTD

Assignee(s): GUDMUNDSSON JON S ; MITSUI ENGINEERING AND SHIPBUILDING CO LTD ; NATURAL GAS HYDRATE AS ; NATURAL GAS HYDRATE PO BOX AS

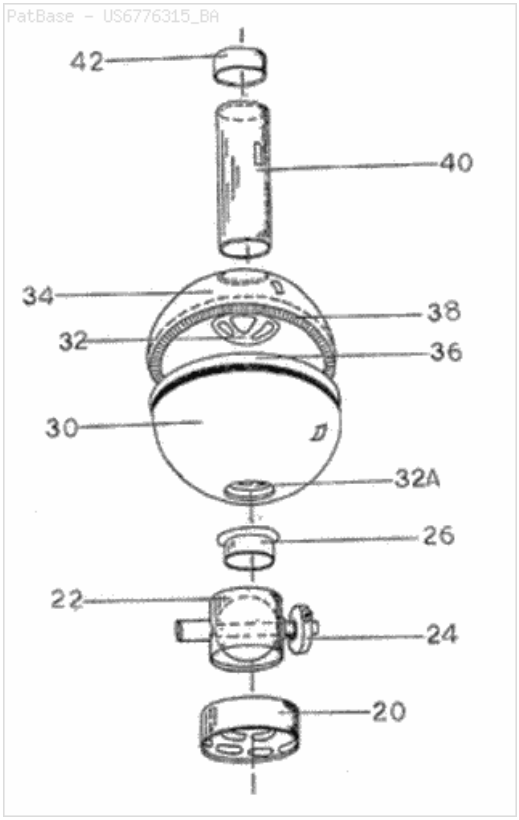
Inventor(s): (std)**:** GUDMUNDSSON JON S

34) Family number: 30781792 (US6776315B)

Title: ICE CREAM AND SOFT DRINK MIXING **CONTAINER**/DISPENSER

Abstract: Source: US6776315B An attachment for a beverage **container** allows for the mixing of ice cream and carbonated drinks to be consumed by an individual. Ice cream is placed in a hollow attached to a beverage **container** with a valve. The unit is inverted and the valve is opened to allow the carbonated drink to mix with the ice cream in the hollow **container** producing a float like beverage.

Classifications:
International (IPC 8-9): A47J43/27 (Advanced/Invention); A47J43/00 (Core/Invention)
International (IPC 1-7): B65D3/04
CPC: Y10S215/08 A47J43/27
European: A47J43/27
US: 141/322 215/DIG.8 222/142.1 222/566 222/568



Family:

Publication number	Publication date	Application number	Application date
US6776315 BA	20040817	US20030392127	20030318

Priority:
US20030392127 20030318

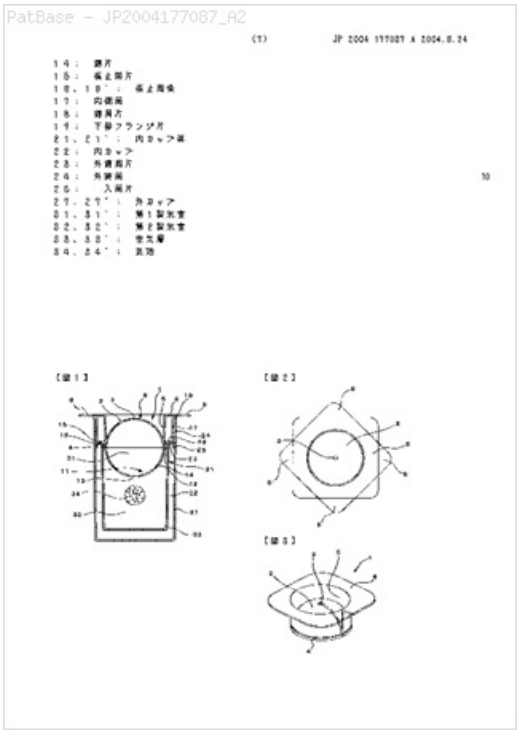
Probable Assignee: LAULOM LAWRENCE A
Assignee(s): (std): LAULOM LAWRENCE A ; LAULOM LOUIS J
Inventor(s): (std): LAULOM LAWRENCE A ; LAULOM LOUIS J

35) Family number: 30767799 (JP2004177087A)

Title: **SPHERICAL** **ICE** MAKING **VESSEL**

Abstract: Source: JP2004177087A PROBLEM TO BE SOLVED: To provide a **spherical** **ice** making **vessel** permitting easily and quickly taking out a **spherical** **ice** after completion. SOLUTION: In this **spherical** **ice** making **vessel**, the lower surface of an outer collar circumferential piece is abutted against the upper end face of an outer cup, and an air layer surrounding the side face and bottom of an inner cup is formed with the inner cup stored inside the outer cup. In the **spherical** **ice** making **vessel**, a first ice making chamber is formed inside a spherical shell, and the spherical shell is stored inside the upper part of the inner cup body with the lower surface of a lower flange is abutted against the upper end face of a sheath cylinder. In the **spherical** **ice** making **vessel**, a second ice making chamber is formed by the inner cup and a lower semi-spherical shell, and the corner part of an upper flange is a pull-out knob piece with the corner part of the upper flange shifted in position from the corner part of the lower flange.

Classifications:
International (IPC 8-9): F25C1/24 (Advanced/Invention);
F25C1/22 (Core/Invention)
International (IPC 1-7): F25C1/24



Family:

Publication number	Publication date	Application number	Application date
JP2004177087 A2	20040624	JP20020347375	20021129
JP4147919 B2	20080910	JP20020347375	20021129

Priority:

JP20020347375 20021129

Probable Assignee: YOSHINO KOGYOSHO CO LTD

Assignee(s): (std): YOSHINO KOGYOSHO CO LTD

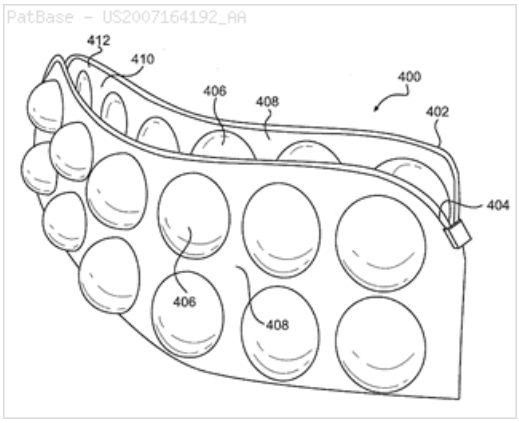
Inventor(s): (std): ARAI TSUGIO ; WATANABE AKIHIKO

36) Family number: 34889370 (US2007164192A)

Title: ICE MOLDING **CONTAINER** AND METHOD

Abstract: Source: US2007164192A The present invention is directed to a personal ice molding **container** that has an opening for filling and pouring of formed ice. The molding **container** has two molding halves that each have a plurality of compartments for freezing liquid into ice. The two molding halves are held together to hold the liquid in the compartments. The ice molding **container** has an opening to create a water-tight seal during freezing. The opening can be selectively sealed and, when open, allows for dispensing of the formed ice.

Classifications:
International (IPC 8-9): B28B7/20 B41B11/54 (Advanced/Invention); B28B7/00 B41B11/00 (Core/Invention)
CPC: F25C1/243
European: F25C1/24B
US: 249/170 249/98



Family:

Publication number	Publication date	Application number	Application date
US2007164192 AA	20070719	US20070624506	20070118

Priority:

US20060746691P 20060508 US20060759584P 20060118 US20070624506 20070118

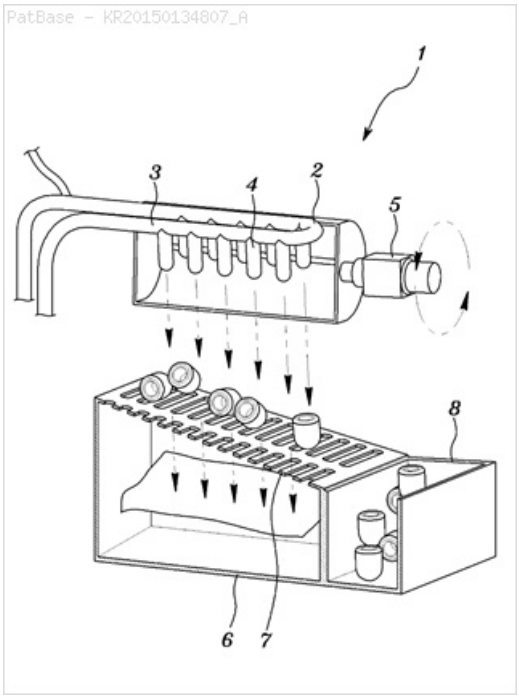
Probable Assignee: HOLDENART INC
Assignee(s): (std): CAMPBELL PETER J ; HOLDEN WILLIAM
Assignee(s): HOLDENART INC
Inventor(s): (std): HOLDEN WILLIAM ; CAMPBELL PETER J
Inventor(s): CAMPBELL PETER JON ; CAMPBELL PETER
Agent(s): KILE GOEKJIAN REED AND MCMANUS

37) Family number: 61304049 (KR20150134807A)

Title: A ICE BALL MANUFACTURING UNIT

Abstract: Source: KR20150134807A The present invention relates to an ice ball manufacturing device manufacturing an ice ball in a continuous work method, a manufacturing method thereof, and an ice ball manufactured by the same and, specifically, to an ice ball manufacturing device manufacturing an ice ball in a continuous work method, wherein the ice ball manufacturing device continuously generates an ice ball by generating a **spherical** **ice** ball using a rotation device while a set of two holes is prepared, and a manufacturing method thereof, and an ice ball manufactured by the same. The ice ball manufacturing device comprises: a first semi-sphere (10) having a cooling line and a heating line on the surface and generating a semi-**spherical** **ice** ball after being filled with water; a second semi-sphere (20) formed in the same form as the first semi-sphere and having the cooling line and the heating line on the surface, wherein the second semi-sphere generates the semi-**spherical** **ice** after being filled with the water; an ice manufacturing **container** (30) generating a **spherical** **ice**, wherein the first semi-sphere and the second semi-sphere are individually arranged thereon; a gripping unit (40) inducing generation of a **spherical** **ice** by rotating the semi-**spherical** **ice** at 180 degrees while gripping the semi-**spherical** **ice** when the ice is generated in the first semi-sphere and generating the rest of the semi-**spherical** **ice**; a rotation power supply unit (50) for transmitting rotation power to the gripping unit; a heating unit (60) formed in the gripping unit and used to separate the ice to the outside; a water supply unit (70) for filling the semi-sphere with the water; and a control unit (80) electrically connected to the rotation power supply unit, the water supply unit, the cooling line, the heating line, and the heating unit and controlling the same.

Classifications:
International (IPC 8-9): F25C1/10 F25C5/08 F25C5/16 (Advanced/Invention)
CPC: F25C1/10 F25C5/08 F25C5/00



Family:

Publication number	Publication date	Application number	Application date
KR20150134807 A	20151202	KR20140062089	20140523

Priority:
KR20140062089 20140523

Probable Assignee: KIM DAE YOUNG
Assignee(s): (std): KIM DAE YOUNG
Inventor(s): (std): KIM DAE YOUNG

38) Family number: 56710565 (US2014165604A)

Title: ICE MAKER WITH ROCKING COLD PLATE

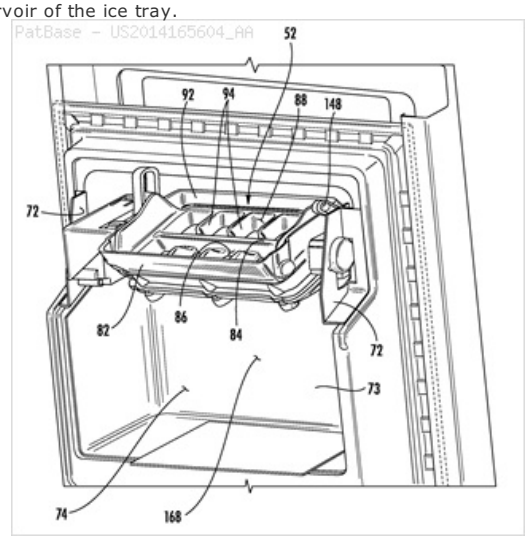
Abstract: Source: US2014165604A An ice maker assembly includes an ice forming plate and a cooling source thermally engaged to a bottom surface of the ice forming plate. The cooling source is configured to freeze water coming into contact with a top surface of the ice forming plate. A containment wall surrounds the top surface of the ice forming plate to define an ice tray that is configured to retain water. An electrical drive body is rotatably coupled to the ice tray and is configured to oscillate the ice-forming plate in a rocking cycle about a transverse axis of the ice tray. A median wall divides the ice tray along the transverse axis into a first reservoir and a second reservoir. The rocking cycle causes water to repeatedly move over the median wall to form layers of an ice piece within each reservoir of the ice tray.

Classifications:

International (IPC 8-9): A23G9/00 F25B21/02 F25B21/04 F25B39/02 F25C1/10 F25C1/18 F25C1/20 F25C1/22 F25C5/00 F25C5/04 F25C5/06 (Advanced/Invention)

CPC: F25C1/10 F25B39/02 F25B21/02 F25B2321/0251 F25C5/005 F25C2305/022 F25C5/04 F25C1/20 F25B21/04 F25C2500/02 F25C5/22

US: 1/1 62/3.3 62/3.63 62/340 62/344 62/345 62/66 62/68 62/71



Family:

Publication number	Publication date	Application number	Application date
EP2743606 A2	20140618	EP20130194694	20131127
EP2743606 A3	20170104	EP20130194694	20131127
EP2743611 A2	20140618	EP20130194696	20131127
EP2743611 A3	20170301	EP20130194696	20131127
US2014165604 AA	20140619	US20120713283	20121213
US2014165617 AA	20140619	US20120713199	20121213
US2014165621 AA	20140619	US20120713147	20121213
US2016138844 AA	20160519	US20160006350	20160126
US2016305699 AA	20161020	US20160193746	20160627
US2017321945 AA	20171109	US20170662381	20170728
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US9410723 BB	20160809	US20120713283	20121213
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US9759472 BB	20170912	US20120713199	20121213

Priority:

US20120713147 20121213 US20120713199 20121213 US20120713283 20121213
US20160006350 20160126 US20160193746 20160627 US20170662381 20170728

Probable Assignee: WHIRLPOOL CORP

Assignee(s): (std): WHIRLPOOL CO ; WHIRLPOOL CORP

Inventor(s): (std): BOARMAN PATRICK J ; CULLEY BRIAN K ; LTICH ANDREW D ; THOMAS MARK E ; LITCH ANDREW D

Agent(s): NICHOLLS MICHAEL JOHN; PRICE HENEVELD LLP

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