

Patentüberwachung Eiserzeugung für Kühlschränke z.B. Eiskästchen

Bericht 2026-06

Stuttgart, den 23.06.2026

Im Auftrag der
Mustermann GmbH
Frau I. Mustermann

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98765 Musterhausen

Eiserzeugung:

F25C001-24: für Kühlschränke, z.B. Eiskästchen
F25C001- 243: Gefrierformen aus Kunststoff, z.B. Silikon
F25C001- 246: Gefrierformen mit separaten Gitterstrukturen

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Übersicht

Dieser Bericht enthält eine Übersicht und die Zusammenfassungen zum aktuellen Suchergebnis der Patentüberwachung. Bei der Durchführung wurden folgende Quellen und Zeiträume berücksichtigt.

Land	Quellen	Zeitraum	Anzahl der Dokumente
DE	Deparom / DPMA	PW 18 – 22 (2026)	1
EP	Espace / EPO	PW 18 – 22 (2026)	5
WO	Patentscope / WIPO	PW 18 – 22 (2026)	1
US	US Patent and Trademark Office	PW 18 – 22 (2026)	8
		Gesamtanzahl	15

Die im Suchprofil enthaltenen Firmen und IPC-Klassen werden in der Übersichtstabelle und in den Zusammenfassungen unterstrichen dargestellt.

Für Rückfragen stehen wir Ihnen gern zur Verfügung.

Ihr(e) Ansprechpartner:

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Unsere Auftragsnummer: s987

Übersicht der ermittelten Dokumente

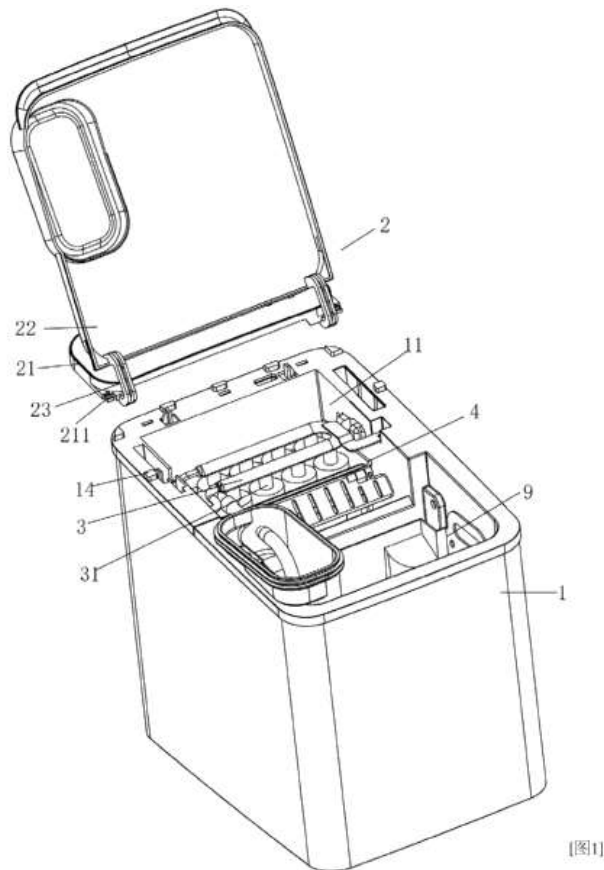
(Dokumente nach Anmeldername und Publikationsnummer sortiert)

Nr.	Publikation		Titel	Anmelder
1	EP4747558	A1	Kühlschrank	BSH Hausgeräte GmbH
2	WO2026108054	A1	Ice maker with detachable ice-making box	Guangdong Jiayi Electric Appliance Co., Ltd, CN
3	US12618599	B2	Ice making assembly for a refrigerator appliance	Haier US Appliance Solutions, Inc., Wilmington, US
4	US20260146774	A1	Apparatus for making stylized ice cubes	Hays, David, Houston, US
5	EP3862682	B1	Eisherstellungsmaschine und Kühlschrank damit	LG Electronics Inc.
6	EP4707704	A3	Kühlschrank und Steuerungsverfahren dafür	LG Electronics Inc.
7	EP4707705	A3	Kühlschrank	LG Electronics Inc.
8	US12618600	B2	Refrigerator	LG Electronics Inc., Seoul, KR
9	US12631383	B2	Refrigerator and control method therefor	LG Electronics Inc., Seoul, KR
10	US20260132975	A1	Refrigerator and control method therefor	LG Electronics Inc., Seoul, KR
11	DE102024134219	A1	Eisbereiter und Kühl- und/oder Gefriergerät	Liebherr-Hausgeräte Ochsenhausen GmbH, 88416, Ochsenhausen, DE
12	EP4745492	A1	Eisherstellungsanordnung	Qingdao Haier Refrigerator Co., Ltd.; ...
13	US20260126231	A1	Ice cube tray	Shenzhen Yichu Network Technology Co., Ltd., Shenzhen, CN; ...
14	US20260132974	A1	Refrigerator control method, storage medium, and refrigerator	TCL Home Appliances (Hefei) Co., Ltd., Hefei, Anhui, CN
15	US20260119726	A1	Ice mold	Team Ice LLC, Knoxville, US

(Dokumente nach Anmeldername und Publikationsnummer sortiert)	
	Treffer 1 von 15 aus der Patentüberwachung
Titel	KÜHLSCHRANK
Anmelder	BSH Hausgeräte GmbH, 81739 München, DE
Erfinder	SHEN, Yongyan, Chuzhou, 239000, CN; HUANG, Yegui, Nanjing, 210046, CN
Publikation	EP4747558
Hyperlinks	PDF/Espacenet PDF/Depatisnet Patentfamilie Rechtsstand
WO-Nummer	WO2025016993
Hyperlink	PDF/Espacenet
Priorität	18.07.2023 CN202321895604 U
Anmeldung	16.07.2024 EP24743827
Offenlegung	27.05.2026 EP4747558 A1 OFFENLEGUNGSSCHRIFT
IPC-Klassen	<u>F25C0001-24</u>
Abstract	(Quelle WO2025016993) This application relates to a refrigerator. An ice maker is located in a storage compartment of the refrigerator. An ice-making module includes an ice-making unit and an ice-making compartment. The ice-making unit is configured to make ice in the ice-making compartment. The ice-making module includes an ice storage container. The ice storage container is located in the ice-making compartment and configured to store ice made by the ice-making unit. The refrigerator further includes a flow guide structure. The flow guide structure is configured to guide water in the ice-making compartment out of the ice-making module. This application facilitates a reduction in accumulation of water in the ice-making compartment and reduces a possibility of a case that the water flows to an internal component of the refrigerator or another component outside the refrigerator.
Grafik	WO2025016993



Treffer 2 von 15 aus der Patentüberwachung Titel Anmelder Erfinder Publikation Hyperlinks Priorität Anmeldung Offenlegung IPC-Klassen Abstract	ICE MAKER WITH DETACHABLE ICE-MAKING BOX GUANGDONG JIAYI ELECTRIC APPLIANCE CO., LTD, CN GUO, Jiangang; ZHANG, Yongsheng; WEN, Yutong WO2026108054 PDF/Espacenet PDF/Depatisnet Patentfamilie Rechtsstand 19.11.2024 CN202422821313 09.04.2025 PCT-CN2588078/PCT-CN2025088078 28.05.2026 WO2026108054 A1 OFFENLEGUNGSSCHRIFT F25C0001-24; F25C0001-18 An ice maker with a detachable ice-making box, the ice maker comprising a housing, an evaporator, an ice-making box, and a driving mechanism. The housing is internally provided with a cavity, the cavity being provided with a first opening; the ice-making box is rotatably arranged in the cavity; an ice-making member of the evaporator extends into the ice-making box; a first connecting member is provided on one side of the ice-making box; an output end of the driving mechanism is in detachable transmission connection with the first connecting member; a second connecting member is provided on the other side of the ice-making box; and the second connecting member is in detachable rotation connection with the cavity. By means of such arrangements, the consumer can take out the ice-making box by himself/herself for thorough cleaning, such that the growth of bacteria can be effectively reduced. WO2026108054
Grafik	WO2026108054



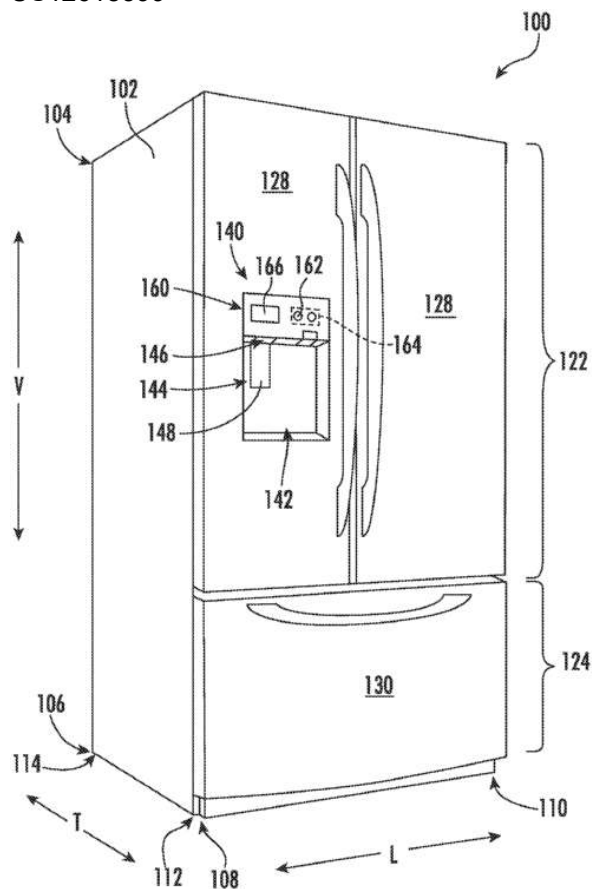
Treffer 3 von 15 aus der Patentüberwachung

Titel	Ice making assembly for a refrigerator appliance
Anmelder	Haier US Appliance Solutions, Inc., Wilmington, US
Erfinder	Vijayan, Vineeth, Louisville, US; Mitchell, Alan Joseph, Louisville, US
Publikation	US12618599/US20240384914
Hyperlinks	PDF/Espacenet PDF/Depatisnet Patentfamilie Rechtsstand
Anmeldung	16.05.2023 US318250-23/US18318250
Offenlegung	21.11.2024 US20240384914 A1 OFFENLEGUNGSSCHRIFT
Erteilung	05.05.2026 US12618599 B2 PATENT
IPC-Klassen	F25C0005-06; <u>F25C0001-243</u>
Anspruch	An ice making assembly for a refrigerator appliance, the ice making assembly defining a vertical direction and comprising: a stationary frame; a resilient mold defining a mold cavity for receiving water and being movable relative to the stationary frame; a heat exchanger in thermal communication with the resilient mold to freeze the water and form one or more ice cubes; a fixed ejector positioned below the resilient mold, wherein the fixed ejector is fixed and immovable relative to the stationary frame, and wherein the resilient mold is movable relative to the fixed ejector; a drive mechanism for moving the resilient mold to engage the fixed ejector and deform the resilient mold to raise the one or more ice cubes; and a resilient element mechanically coupled to the resilient mold for urging the resilient mold into an undeformed position, wherein the resilient element is a mechanical spring.

Abstract

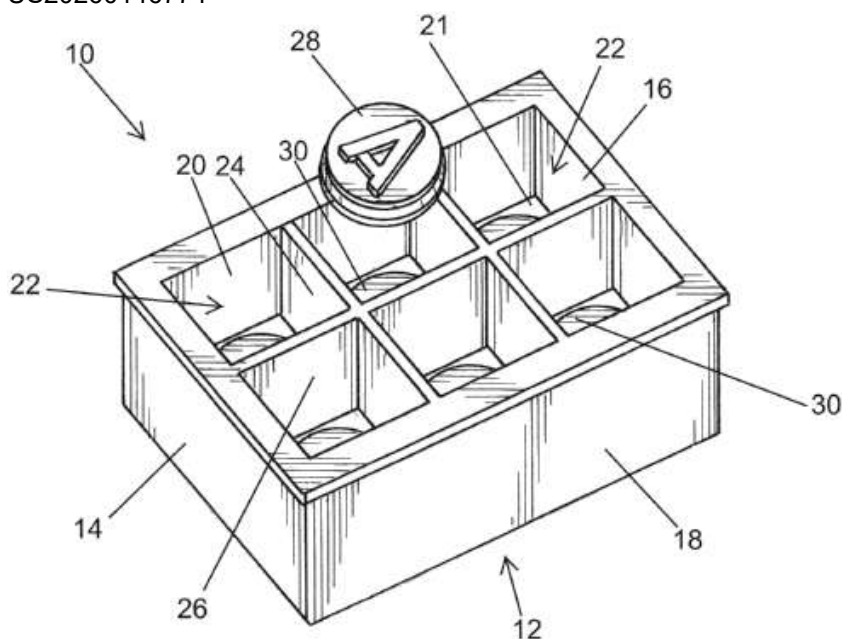
An ice making assembly for a refrigerator appliance includes a resilient mold defining a mold cavity for receiving water, a heat exchanger in thermal communication with the resilient mold to freeze the water and form one or more ice cubes, a fixed ejector positioned below the resilient mold, wherein the resilient mold is movable relative to the fixed ejector, and a drive mechanism for moving the resilient mold to engage the fixed ejector and deform the resilient mold to raise the one or more ice cubes.

Grafik



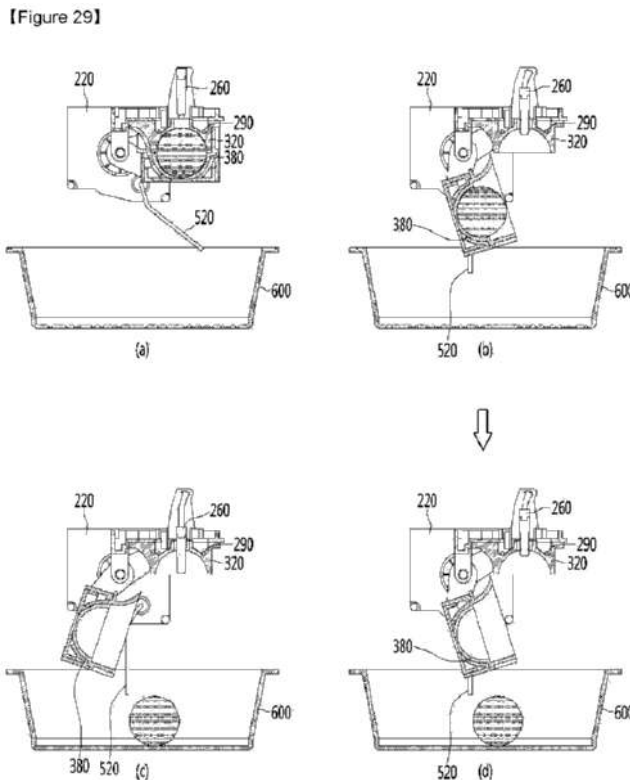
Treffer 4 von 15 aus der Patentüberwachung

Titel	Apparatus for Making Stylized Ice Cubes
Anmelder	Hays, David, Houston, US
Erfinder	Hays, David, Houston, US; Harris, Joshua, Houston, US
Publikation	US20260146774
Hyperlinks	PDF/Espacenet PDF/Depatisnet Patentfamilie Rechtsstand
Anmeldung	21.01.2026 US455262-26/US19455262
Offenlegung	28.05.2026 US20260146774 A1 OFFENLEGUNGSSCHRIFT
IPC-Klassen	F25C0001-04; F25C0001-24 ; F25C0001-243
Anspruch	An ice molding apparatus comprising: a cell having a peripheral wall forming an upper frame and a bottom wall; a plate removably receivable in said frame, said plate having a recess; and an insert releasably receivable in said recess, said insert having a top surface, said top surface including a formation.
Abstract	An ice molding apparatus which has a cell or space formed by a peripheral wall and a bottom wall. There is a plate receivable in the frame and a recess in the plate. An insert is selectively, releasably receivable in the recess. The insert has a top surface which includes a formation which can be either projecting or receiving.
Grafik	US20260146774



Treffer 5 von 15 aus der Patentüberwachung

Titel	EISHERSTELLUNGSMASCHINE UND KÜHLSCHRANK DAMIT
Anmelder	LG Electronics Inc.
Erfinder	LEE, Donghoon; BAE, Yongjun; LEE, Donghoon; SON, Sunggyun; LEE, Wookyong
Publikation	EP3862682
Hyperlinks	PDF/Espacenet PDF/Depatisnet Patentfamilie Rechtsstand
WO-Nummer	WO2020071764
Hyperlink	PDF/Espacenet
Priorität	02.10.2018 KR20180117784; 06.07.2019 KR20190081688
Anmeldung	01.10.2019 EP19869812
Offenlegung	11.08.2021 EP3862682 A1 OFFENLEGUNGSSCHRIFT
Erteilung	25.03.2026 EP3862682 B1 PATENTSCHRIFT (C0 EINHEITSPATENT)
IPC-Klassen	F25D0011-00; F25D0029-00; F25D0025-02; <u>F25C0001-24</u> ; F25C0001-18; F25C0005-02
Anspruch	Eisbereiter, der Folgendes umfasst: eine erste Schale (320), die eine erste Zelle (321a) definiert, die ein Abschnitt einer Eisbereiterzelle (320a) ist, die ein Raum ist, in dem Eis erzeugt wird; eine zweite Schale (380), die eine zweite Zelle (381a) definiert, die ein anderer Abschnitt der Eisbereiterzelle ist, wobei die zweite Schale (380) relativ zu der ersten Schale (320) bewegt werden kann; einen Eisbehälter (600), der konfiguriert ist, Eis aufzubewahren, das von der ersten und der zweiten Schale abgetrennt worden ist; und einen Hebel (520) zur Detektion des vollen Eisbehälters, der konfiguriert ist, sich zusammen mit der zweiten Schale (380) um einen vorgegebenen Bereich zu bewegen, dadurch gekennzeichnet, dass die erste Zelle (321a), die in der ersten Schale (320) angeordnet ist, und die zweite Zelle (381a), die in der zweiten Schale (380) angeordnet ist, konfiguriert sind, miteinander kombiniert zu werden, um kugelförmiges Eis zu erzeugen.
Abstract	The present invention comprises: a first tray for forming a portion of an ice-making cell; a second tray forming the other portion of the ice-making cell, and capable of moving relative to the first tray; an ice bin for storing ice separated from the first and second trays; and a full-ice sensing lever for moving together with the second tray in a predetermined range.
Grafik	EP3862682



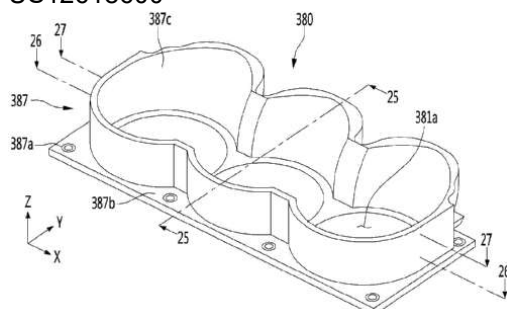
Treffer 6 von 15 aus der Patentüberwachung	
Titel	KÜHLSCHRANK UND STEUERUNGSVERFAHREN DAFÜR
Anmelder	LG Electronics Inc.
Erfinder	LEE, Donghoon; LEE, Wookyong; YEOM, Seungseob; LEE, Donghoon; BAE, Yongjun; SON, Sunggyun; PARK, Chongyoung
Publikation	EP4707704
Hyperlinks	PDF/Espacenet PDF/Depatisnet Patentfamilie Rechtsstand
Priorität	02.10.2018 KR20180117819; 02.10.2018 KR20180117821; 02.10.2018 KR20180117822; 02.10.2018 KR20180117785; 16.11.2018 KR20180142117; 06.07.2019 KR20190081714
Anmeldung	01.10.2019 EP26150986
Offenlegung	11.03.2026 EP4707704 A2 OFFENLEGUNGSSCHRIFT 20.05.2026 EP4707704 A3 RECHERCHEBERICHT
IPC-Klassen	F25D0011-00; F25D0029-00; F25D0025-02; <u>F25C0001-24</u> ; F25C0005-02; F25C0005-18; F25C0005-04; F25C0001-25; F25C0005-08; F25C0001-18; F25C0001-04; F25C0005-20
Anspruch	A refrigerator comprising: a first tray configured to form a portion of an ice making cell in which water is phase-changed into ice by cold air; a second tray configured to form the other portion of the ice making cell, the second tray being in contact with the first tray in an ice making process and being connected to a driver so as to be spaced apart from the first tray, and a heater configured to supply heat to the ice making cell, wherein the heater disposed at a side of the first tray or the second tray is turned on in at least partial section while a cold air supply part supplies the cold air to the ice making cell.
Abstract	A refrigerator of the present invention comprises: a storage chamber which stores food; a cold air supply means which supplies cold air to the storage chamber; a first tray which forms a part of an ice making cell that is a space where water is phase-changed into ice by the cold air; a second tray which forms another part of the ice making cell may come into contact with the first tray during an ice making process, and may be separated from the first tray during an ice transfer process; a heater which is positioned adjacent to at least one of the first tray and the second tray; a sensor which determines the position of the second tray in a movement process of the second tray; and a control unit which controls the heater. Once a second signal is output from the sensor at the point of time when an initialization operation of the second tray starts, the control unit controls the second tray so that the second tray moves in the reverse direction for A seconds and then moves in the forward direction for B seconds. Once a first signal is output from the sensor after the second tray moves in the forward direction for B seconds, the control unit controls the second tray so that the second tray moves in the forward direction until an output changes to the second signal in the sensor. At the point of time when the output of the sensor changes to the second signal, the control unit recognizes, as a water supply position, a place where the second tray is positioned. output from the sensor at the point of time when an initialization operation of the second tray starts, the control unit controls the second tray so that the second tray moves in the reverse direction for A seconds and then moves in the forward direction for B seconds. Once a first signal is output from the sensor after the second tray moves in.

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Titel	KÜHLSCHRANK
Anmelder	LG Electronics Inc.
Erfinder	LEE, Donghoon; LEE, Wookyong; PARK, Chongyoung; LEE, Donghoon; YEOM, Seungseob; BAE, Yongjun; SON, Sunggyun
Publikation	EP4707705
Hyperlinks	PDF/Espacenet PDF/Depatisnet Patentfamilie Rechtsstand
Priorität	02.10.2018 KR20180117819; 02.10.2018 KR20180117821; 02.10.2018 KR20180117822; 02.10.2018 KR20180117785; 16.11.2018 KR20180142117; 06.07.2019 KR20190081688; 03.09.2019 KR20190108885
Anmeldung	01.10.2019 EP26153106
Offenlegung	11.03.2026 EP4707705 A2 OFFENLEGUNGSSCHRIFT 13.05.2026 EP4707705 A3 RECHERCHEBERICHT
IPC-Klassen	F25C0001-18; F25C0005-187; F25C0005-08; F25D0011-00; F25D0029-00; F25D0025-02; <u>F25C0001-24</u> ; F25C0005-02; F25C0005-04; F25C0005-20
Anspruch	A refrigerator comprising:a cabinet (14) including a storage chamber;a door that opens and closes the storage chamber;an ice maker (200) comprising a first tray assembly including a first tray (320), a second tray assembly including a second tray (380), and an ice making cell in which water is phase-changed into ice by cold air;a cooler defined as a part configured to cool the storage chamber including at least one of an evaporator or a thermoelectric element;a heater disposed in a vicinity of at least one of the first and second tray assemblies to heat the ice making cell defined by the at least one of the first and second tray assemblies in which the heater is disposed, characterized in that an operation mode of the refrigerator includes at least a first mode and a second mode, and at least one of an amount of cold supply of the cooler and a heating amount of the heater is controlled to be different in the first mode and the second mode by a controller.
Abstract	The present invention relates to a refrigerator. The refrigerator according to the present invention comprises: a first tray forming a part of an ice-making cells; a second tray forming the other part of the ice-making cells; a heater for supplying heat to the ice making cells; a cooler for supplying cold to a storage compartment; and a control unit for controlling the heater and the cooler. The operation modes of the refrigerator include a first mode and a second mode. The control unit may control so that either or both of the amounts of cooling by the cooler and the amount of heating by the heater vary in the first mode and the second mode.

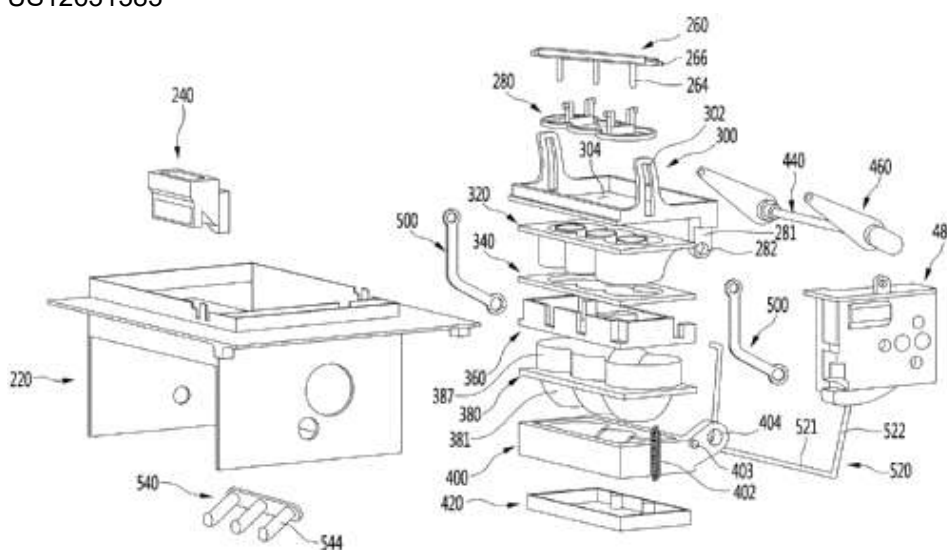
Treffer 8 von 15 aus der Patentüberwachung

Titel	Refrigerator
Anmelder	LG ELECTRONICS INC., Seoul, KR
Erfinder	Lee, Donghoon, Seoul, KR; Lee, Wookyoung, Seoul, KR; Park, Chongyoung, Seoul, KR; Lee, Donghoon, Seoul, KR; Yeom, Seungseob, Seoul, KR; Bae, Yongjun, Seoul, KR; Son, Sunggyun, Seoul, KR
Publikation	US12618600/US20240167748
Hyperlinks	PDF/Espacenet PDF/Depatisnet Patentfamilie Rechtsstand
Priorität	02.10.2018 KR10-2018-0117785; 02.10.2018 KR10-2018-0117819; 02.10.2018 KR10-2018-0117821; 02.10.2018 KR10-2018-0117822; 16.11.2018 KR10-2018-0142117; 06.07.2019 KR10-2019-0081696
Anmeldung	29.01.2024 US425673-24/US18425673
Offenlegung	23.05.2024 US20240167748 A1 OFFENLEGUNGSSCHRIFT
Erteilung	05.05.2026 US12618600 B2 PATENT
IPC-Klassen	F25C0005-08; F25C0001-18; <u>F25C0001-24</u> ; F25C0001-25; F25D0029-00
Anspruch	An ice maker comprising: a first tray having a first portion of a cell, the cell extending in an X-axis direction, a Y-axis direction, and a Z-axis direction respectively; and a second tray having a second portion of the cell, the first portion and the second portion of the cell being configured to define a space of the cell to receive a liquid to be phase-changed to form ice, wherein: the cell includes a plurality of cells, the X-axis direction being a direction that one cell of the plurality of cells and another cell of the plurality of cells are arranged in, the Z-axis direction is a direction that the first portion of the cell and the second portion of the cell are arranged in, the Y-axis direction is a direction that is orthogonal to the X-axis direction and the Z-axis direction, and an X-Y axis cutting plane of the second tray is a plane cutting the second tray in the X-axis direction and the Y-axis direction, when the second tray is at an ice making position, wherein the second tray comprises a first area, a third area spaced apart from the first area in the X-Y axis cutting plane of the second tray, and a second area disposed between the first area and the third area in the X-Y axis cutting plane of the second tray, the first area including a point at which a first extension line passing through the cell in the Y-axis direction and the second tray meet each other, and the third area including a point at which a second extension line passing through the cell in the X-axis direction and the second tray meet each other, wherein a curvature change rate of an inner line of the first area in the X-Y axis cutting plane of the second tray is different from that of an inner line of the third area in the X-Y axis cutting plane of the second tray, wherein the inner line of the third area includes the point at which the second extension line and the second tray meet each other, and an inner line of the second area is configured to connect the inner line of the first area and the inner line of the third area.
Abstract	A refrigerator comprises: a first tray assembly forming a part of an ice making cell; and a second tray assembly forming the other part of the ice making cell. The first tray assembly includes a first tray, and the second tray assembly includes a second tray. The second tray includes a first portion forming at least a portion of the ice making cell, and a second portion extending from a predetermined point of the first portion. The second portion includes a first extension part extending from a first point of the first portion and a second extension part extending from a second point of the first portion, wherein the length of the second extension part in the horizontal direction is formed longer than the length of the first extension part.
Grafik	US12618600



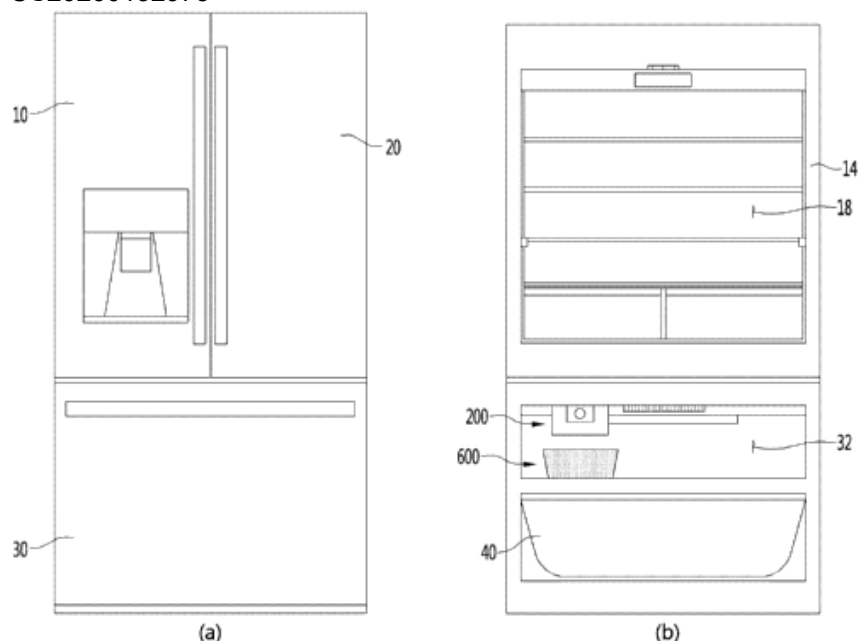
Treffer 9 von 15 aus der Patentüberwachung

Titel	Refrigerator and control method therefor
Anmelder	LG ELECTRONICS INC., Seoul, KR
Erfinder	Lee, Donghoon, Seoul, KR; Lee, Wookyoung, Seoul, KR; Yeom, Seungseob, Seoul, KR; Lee, Donghoon, Seoul, KR; Bae, Yongjun, Seoul, KR; Son, Sunggyun, Seoul, KR; Park, Chongyoung, Seoul, KR
Publikation	US12631383/US20240337425
Hyperlinks	PDF/Espacenet PDF/Depatisnet Patentfamilie Rechtsstand
Priorität	02.10.2018 KR10-2018-0117785; 02.10.2018 KR10-2018-0117819; 02.10.2018 KR10-2018-0117821; 02.10.2018 KR10-2018-0117822; 16.11.2018 KR10-2018-0142117; 06.07.2019 KR10-2019-0081712; 06.07.2019 KR10-2019-0081742
Anmeldung	18.06.2024 US746868-24/US18746868
Offenlegung	10.10.2024 US20240337425 A1 OFFENLEGUNGSSCHRIFT
Erteilung	19.05.2026 US12631383 B2 PATENT
IPC-Klassen	F25C0001-18; <u>F25C0001-24</u> ; F25C0005-08
Anspruch	An ice maker comprising: a first tray having a first portion of a cell, the cell being a space in which a liquid is phase-changed into ice; a second tray forming another portion of the cell; a lever configured to detect the ice stored in an ice bin; and a driver including a motor, wherein the second tray moves to a liquid supply position to start a liquid supply after an ice separation is completed; and the second tray moves in a first direction to perform an ice separation process to take out the ice in the cell after an ice making process is performed, wherein the driver is configured to move the lever to determine whether the ice bin is full after the ice making process is performed and before the ice is taken out in the cell, and wherein when it is determined that the ice bin is full, the driver is configured so that the second tray continues to move in the first direction.
Abstract	The refrigerator of the present invention comprises: a storage compartment where food is stored; a cold air supply means for supplying cold air to the storage compartment; a first tray forming a part of an ice making cell which is a space where water phase-changes into ice by the cold air; a second tray which forms another part of the ice making cell and which can be brought into contact with the first tray during an ice making process, and which is connected to a driving unit so as to be spaced apart from the first tray during an ice separating process; a heater positioned adjacent to at least one of the first tray and the second tray; an ice bin for storing ice dropped from the ice making cell; a full ice level sensing means for sensing a full ice level of the ice bin; and a control unit for controlling the heater and the driving unit. When the full ice level of the ice bin is sensed by the full ice level sensing means, the control unit controls the driving unit such that the second tray moves to the ice separating position after the ice making is completed.
Grafik	US12631383



Treffer 10 von 15 aus der Patentüberwachung

Titel	REFRIGERATOR AND CONTROL METHOD THEREFOR
Anmelder	LG ELECTRONICS INC., Seoul, KR
Erfinder	LEE, Donghoon, Seoul, KR; LEE, Wookyong, Seoul, KR; YEOM, Seungseob, Seoul, KR; LEE, Donghoon, Seoul, KR; BAE, Yongjun, Seoul, KR; SON, Sunggyun, Seoul, KR; PARK, Chongyoung, Seoul, KR
Publikation	US20260132975
Hyperlinks	PDF/Espacenet PDF/Depatisnet Patentfamilie Rechtsstand
Priorität	02.10.2018 KR10-2018-0117785; 02.10.2018 KR10-2018-0117819; 02.10.2018 KR10-2018-0117821; 02.10.2018 KR10-2018-0117822; 16.11.2018 KR10-2018-0142117; 06.07.2019 KR10-2019-0081714
Anmeldung	12.12.2025 US417668-25/US19417668
Offenlegung	14.05.2026 US20260132975 A1 OFFENLEGUNGSSCHRIFT
IPC-Klassen	F25C0005-08; F25C0001-18; <u>F25C0001-24</u> ; F25C0001-25; F25D0029-00
Anspruch	An ice maker comprising: a cell in which a liquid is phase-changed into ice; a tray configured to define a portion of a wall providing the cell; and a cooler configured to heat-exchange with the cell, the cooler being positioned outside of the cell, wherein a cooling power of the cooler is configured to vary.
Abstract	A refrigerator includes a storage chamber, a cold air supply which supplies cold air to the storage chamber, a first tray which forms a part of an ice making cell that is a space where water is phase-changed into ice by the cold air, a second tray which forms another part of the ice making cell and which may come into contact with the first tray during an ice making process and may be separated from the first tray during an ice transfer process, ; a heater adjacent to at least one of the first tray or the second tray, a sensor which determines the position of the second tray in a movement process of the second tray, and a control unit which controls the heater.
Grafik	US20260132975



Treffer 11 von 15 aus der Patentüberwachung

Titel	Eisbereiter und Kühl- und/oder Gefriergerät
Anmelder	Liebherr-Hausgeräte Ochsenhausen GmbH, 88416, Ochsenhausen, DE
Erfinder	Ertel, Thomas, 88299, Leutkirch, DE; Hofmeister, Markus, 88400, Biberach, DE
Publikation	DE102024134219
Hyperlinks	PDF/Espacenet PDF/Depatisnet Patentfamilie Rechtsstand
Priorität	25.10.2024 DE102024131156
Anmeldung	21.11.2024 DE102024134219
Offenlegung	30.04.2026 DE102024134219 A1 OFFENLEGUNGSSCHRIFT
IPC-Klassen	F25C0001-04; F25C0001-24 ; F25C0005-187; F25D0029-00
Anspruch	Eisbereiter, vorzugsweise zur Verwendung mit einem Kühl- und/oder Gefriergerät, mit einer Formschale zur Erzeugung von Eiswürfeln und mindestens einer Sensoreinheit zur Erfassung des Füllstands und / oder des Aggregatzustands von Wasser in mindestens einer Formmulde der Formschale, wobei die mindestens eine Sensoreinheit außerhalb der Formschale angeordnet ist und vorzugsweise nicht mit der Formschale in körperlichem Kontakt steht.
Abstract	Die vorliegende Erfindung betrifft einen Eisbereiter, vorzugsweise zur Verwendung mit einem Kühl- und/oder Gefriergerät, mit einer Formschale zur Erzeugung von Eiswürfeln und mindestens einer Sensoreinheit zur Erfassung des Füllstands und / oder des Aggregatzustands von Wasser in mindestens einer Formmulde der Formschale, wobei die mindestens eine Sensoreinheit außerhalb der Formschale angeordnet ist. Zudem betrifft die Erfindung ein Kühl- und/oder Gefriergerät mit einem derartigen Eisbereiter.
Grafik	DE102024134219

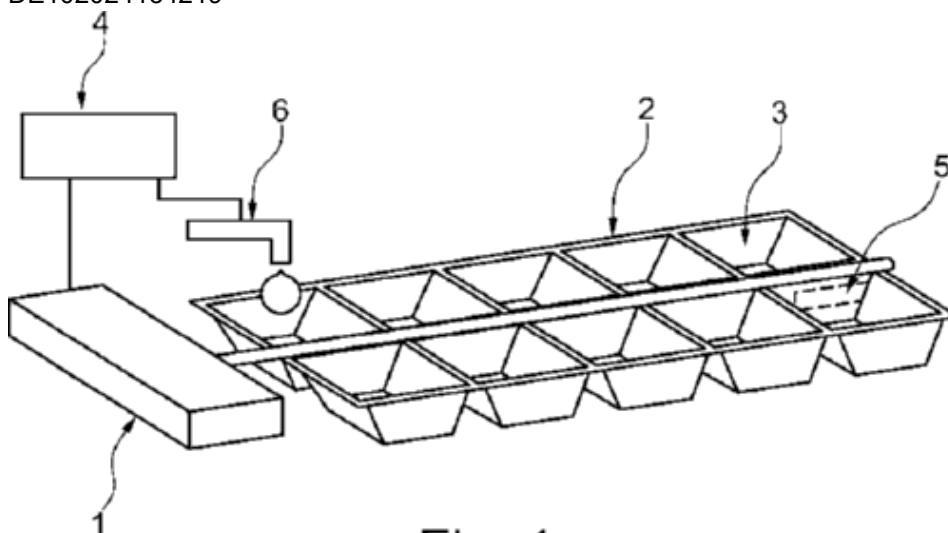


Fig. 1

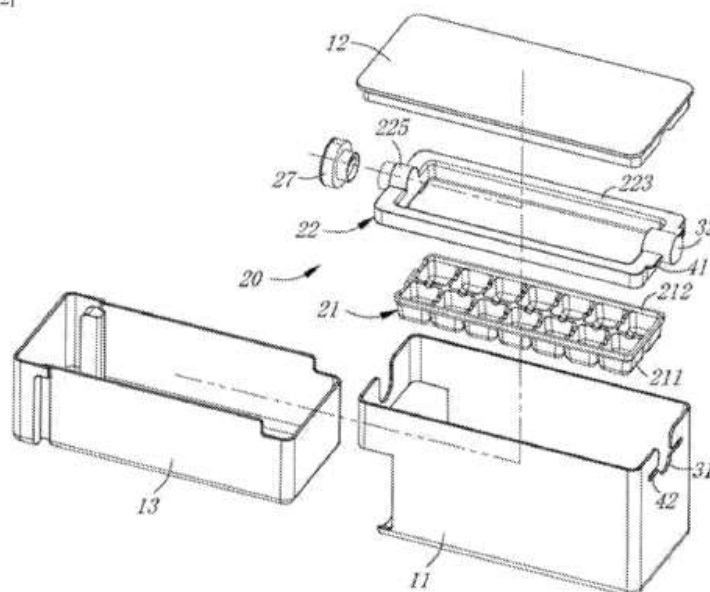
Treffer 12 von 15 aus der Patentüberwachung

Titel	EISHERSTELLUNGSANORDNUNG
Anmelder	QINGDAO HAIER REFRIGERATOR CO., LTD.; Qingdao Haier Smart Technology R&D Co., Ltd.; HAIER SMART HOME CO., LTD.
Erfinder	MA, Jian; ZHANG, Fangyou; ZHU, Xiaobing; ZUO, Lihua; YANG, Jun; SUI, Pengfei
Publikation	EP4745492
Hyperlinks	PDF/Espacenet PDF/Depatisnet Patentfamilie Rechtsstand
WO-Nummer	WO2025011299
Hyperlink	PDF/Espacenet
Priorität	11.07.2023 CN202310849572
Anmeldung	21.06.2024 EP24838557
Offenlegung	20.05.2026 EP4745492 A1 OFFENLEGUNGSSCHRIFT
IPC-Klassen	F25C0001-24
Anspruch	An ice making assembly, comprising an ice making box body and an ice making mechanism cooperating with the ice making box body, the ice making mechanism comprising an ice making portion forming an ice compartment and a water injection portion forming a water injection chamber, characterized in that the ice making portion is connected to the water injection portion, the ice making mechanism has a water injection space communicating with an opening of the ice compartment, the water injection portion has a water outlet communicating with the water injection chamber, and the water outlet is exposed in the water injection space.

Abstract An ice making assembly, including an ice making box body (10) and an ice making mechanism (20) cooperating with the ice making box body (10), the ice making mechanism (20) comprising an ice making portion (21) forming an ice compartment (211) and a water injection portion (22) forming a water injection chamber (221), the ice making portion (21) is connected to the water injection portion (22), the ice making mechanism (20) has a water injection space (23) communicating with an opening of the ice compartment (211), the water injection portion (22) has a water outlet (222) communicating with the water injection chamber (221), and the water outlet (222) is exposed in the water injection space (23); when the water injection portion (22) after water injection is used to inject water into the ice making portion (21), water in the water injection chamber (221) flows through the water outlet (222) and passes through the water injection space (23) before flowing into the ice compartment (211), thereby avoiding an occurrence of water splashing.

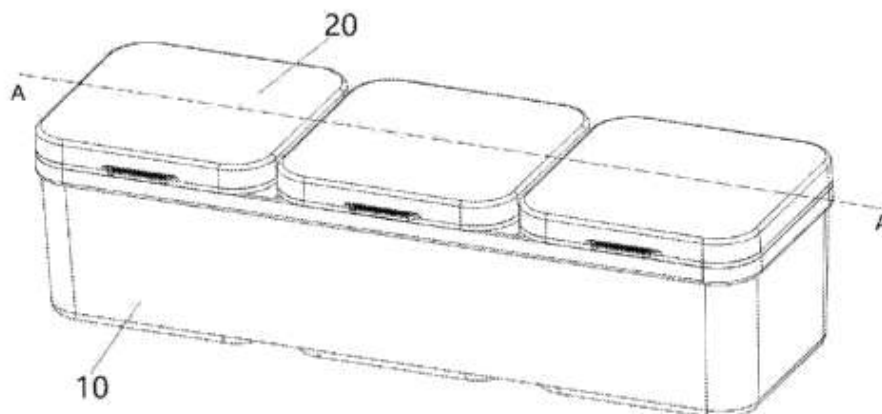
Grafik WO2025011299

[图2]



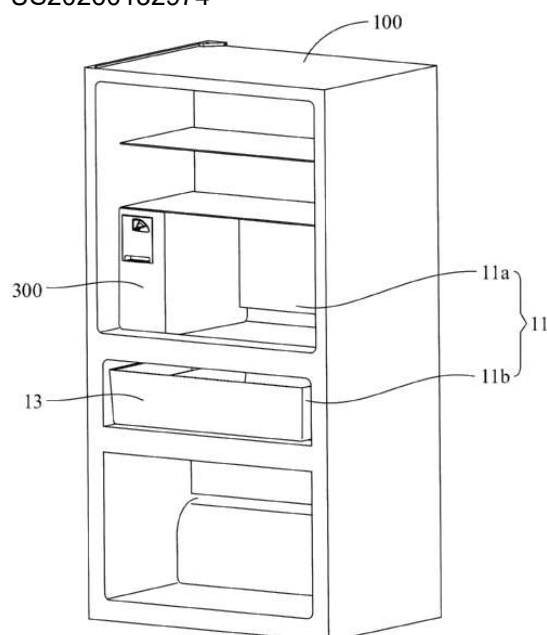
Treffer 13 von 15 aus der Patentüberwachung

Titel	ICE CUBE TRAY
Anmelder	Shenzhen Yichu Network Technology Co., Ltd., Shenzhen, CN; The Interesting Lab Limited, HONG KONG, HK
Erfinder	Xu, Guojian, Shenzhen, CN; Lin, Wenjue, HONG KONG, HK
Publikation	US20260126231
Hyperlinks	PDF/Espacenet PDF/Depatisnet Patentfamilie Rechtsstand
Anmeldung	31.12.2025 US437487-25/US19437487
Offenlegung	07.05.2026 US20260126231 A1 OFFENLEGUNGSSCHRIFT
IPC-Klassen	F25C0001-24; F25C0005-06
Anspruch	An ice cube tray, comprising: a tray body, provided with an upward opening accommodating space; a cover body, capable of covering the accommodating space; ice cubes, detachably accommodated in the accommodating space, wherein the ice cube comprises a cylindrical outer mold wall and a cylindrical inner mold wall located in the outer mold wall, a bottom of the outer mold wall is sealed and connected to a bottom of the inner mold wall, a top of the inner mold wall is closed, a top of the inner mold wall is not lower than a top of the outer mold wall, an annular ice slot for ice making is formed between the outer mold wall and the inner mold wall, and the inner mold wall is made of a flexible material; and a demolding rod, configured to be capable of pushing against the inner mold wall to be elastically deformed from the top to the bottom so as to release ice blocks in the annular ice slot.
Abstract	An ice cube tray is provided. The ice cube tray includes: a tray body, provided with an upward opening accommodating space; a cover body, capable of covering the accommodating space; ice cubes, detachably accommodated in the accommodating space, where the ice cube includes a cylindrical outer mold wall and a cylindrical inner mold wall located in the outer mold wall, a bottom of the outer mold wall is sealed and connected to a bottom of the inner mold wall, a top of the inner mold wall is closed, and a top of the inner mold wall is not lower than a top of the outer mold wall; and a demolding rod, configured to be capable of pushing against the inner mold wall to be elastically deformed from the top to the bottom so as to release ice blocks in the annular ice slot.
Grafik	US20260126231



Treffer 14 von 15 aus der Patentüberwachung

Titel	REFRIGERATOR CONTROL METHOD, STORAGE MEDIUM, AND REFRIGERATOR
Anmelder	TCL HOME APPLIANCES (HEFEI) CO., LTD., Hefei, Anhui, CN
Erfinder	LI, Shanshan, Hefei, Anhui, CN; LI, Dapeng, Hefei, Anhui, CN; WEI, Jian, Hefei, Anhui, CN; ZHOU, Sijian, Hefei, Anhui, CN
Publikation	US20260132974
Hyperlinks	PDF/Espacenet PDF/Depatisnet Patentfamilie Rechtsstand
Priorität	29.12.2022 CN202211707377
Anmeldung	18.12.2023 US121788-23/US19121788
Offenlegung	14.05.2026 US20260132974 A1 OFFENLEGUNGSSCHRIFT
IPC-Klassen	F25C0005-04; <u>F25C0001-24</u> ; F25D0023-02
Anspruch	A control method for a refrigerator, comprising: when the refrigerator obtains an ice-taking signal, activating an ice-pushing motor and an ice-crushing motor, wherein the ice-pushing motor is configured to push an ice cube to the ice-crushing motor, and the ice-crushing motor is configured to push the ice cube out of the refrigerator in a form of whole ice or a form of crushed ice; when the refrigerator obtains an end ice-taking signal, controlling the ice pushing motor and the ice crushing motor to stop rotating; and controlling the ice pushing motor and the ice crushing motor to reverse operation for a first time period.
Abstract	Disclosed are a refrigerator and a control method therefor, and a storage medium. The control method comprises: if a refrigerator obtains an ice taking signal, controlling an ice pushing motor and an ice crushing motor to be started; if the refrigerator obtains an ice a taking ending signal, controlling the ice pushing motor and the ice crushing motor to stop rotating; and controlling the ice pushing motor and the ice crushing motor to reversely rotate for a first duration. The present disclosure can avoid the occurrence of overloading and burnout of the ice pushing motor caused by an overlarge starting current of the ice pushing motor.
Grafik	US20260132974



Treffer 15 von 15 aus der Patentüberwachung

Titel	ICE MOLD
Anmelder	Team Ice LLC, Knoxville, US
Erfinder	Ross, JR., Steven, Knoxville, US
Publikation	US20260119726
Hyperlinks	PDF/Espacenet PDF/Depatisnet Patentfamilie Rechtsstand
Anmeldung	26.10.2024 US927995-24/US18927995
Offenlegung	30.04.2026 US20260119726 A1 OFFENLEGUNGSSCHRIFT
IPC-Klassen	G06F0030-10; B29C0059-02; B29L0031-00; <u>F25C0001-243</u>
Anspruch	A system for developing molds for creating ice cubes bearing recognizable symbols, comprising: a computer; and an application stored in the computer that when executed: receives a description of an object to be spatially imitated by a frozen structure, creates, using at least the description, a design of a mold for production of the frozen structure, the design enabling at least a three-dimensional rendering of the object, manufactures, based on the design, a three-dimensional mold comprising: a bottom component with a concave cuplike shape, with a flat base and vertical sides, and with the rendering impressed into an upward facing interior surface of the base, a top component functioning as a lid to fit over the bottom component in a sealing manner, the top component with the rendering similarly impressed into a downward facing surface of the top component.
Abstract	A system for developing molds for creating ice cubes bearing recognizable symbols is provided. The system comprises a computer and an application stored in the computer that when executed receives a description of an object to be spatially imitated by a frozen structure. The system also creates, using at least the description, a design of a mold for production of the frozen structure, the design enabling at least a three-dimensional rendering of the object. The system manufactures, based on the design, a three-dimensional mold comprising a bottom component with a concave cuplike shape, with flat base and vertical sides, and with the rendering impressed into an upward facing interior surface of the base. The mold comprises a top component functioning as a lid to fit over the bottom component in a sealing manner, the top component with the rendering similarly impressed into a downward facing surface of the top component.
Grafik	US20260119726

