Title (en)

COMPACT RAPID CHILLING DEVICE AND COMPACT METHOD OF RAPIDLY CHILLING CONTAINED LIQUIDS

Title (de)

KOMPAKTE SCHNELLKÜHLUNGSVORRICHTUNG UND KOMPAKTVERFAHREN ZUR SCHNELLEN KÜHLUNG DARIN ENTHALTENER FLÜSSIGKEITEN

Title (fr)

DISPOSITIF DE RÉFRIGÉRATION RAPIDE COMPACT ET PROCÉDÉ COMPACT DE RÉFRIGÉRATION RAPIDE DE LIQUIDES DANS UN CONTENANT

Publication

EP 2430380 A1 20120321 (EN)

Application

EP 10775632 A 20100514

Priority

- US 2010034994 W 20100514
- US 17839009 P 20090514

Abstract (en)

[origin: WO2010132828A1] A compact rapid liquid chilling apparatus and method are provided. A liquid is placed in a container having an inherent void volume. The housing includes a container-securing space dimensioned to receive ice and maintain substantially all of the ice atop the container placed therein and in thermal communication with the container without allowing substantially any of the ice to fall below the container. A rotating mechanism disposed in the housing rotates the container placed in the container- securing space. As the ice melts as it chills the rotating container, the resulting water falls freely below the container as substantially all of the unmelted ice remains above the container. A lid preferably closes around the container to form a portion of the container- securing space when closed. The lid preferably includes an ice supply window, and an ice measuring bin preferably is attachable to the window.

IPC 8 full level

F25D 13/06 (2006.01); **F25C 5/02** (2006.01); **F25D 23/02** (2006.01); **F25D 25/04** (2006.01)

CPC (source: EP)

F25D 3/02 (2013.01); F25D 2303/081 (2013.01); F25D 2303/0841 (2013.01); F25D 2303/0844 (2013.01); F25D 2331/805 (2013.01); F25D 2400/28 (2013.01)

Citation (search report)

See references of WO 2010132828A1

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DOCDB simple family (publication)

WO 2010132828 A1 20101118; **WO 2010132828 A8 20120223**; AU 2010248814 A1 20120112; BR PI1010554 A2 20190924; CA 2797010 A1 20101118; CN 102460043 A 20120516; CN 102460043 B 20140226; EP 2430380 A1 20120321; MX 2011012139 A 20120402

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