

Title (en)

A SYSTEM FOR EXTERNALLY COOLING A BEVERAGE HOLDER

Title (de)

SYSTEM ZUR EXTERNEN KÜHLUNG EINES GETRÄNKEHALTERS

Title (fr)

SYSTÈME POUR REFROIDIR DE MANIÈRE EXTERNE UN CONTENANT À BOISSON

Publication

**EP 2946152 A1 20151125 (EN)**

Application

**EP 14701045 A 20140121**

Priority

- EP 13152029 A 20130121
- EP 2014051096 W 20140121
- EP 14701045 A 20140121

Abstract (en)

[origin: WO2014111590A1] A system for externally cooling a beverage holder holding a specific amount of beverage comprises a cooling housing having an inner wall and an outer wall. The inner wall is made of thermal conductive material for contacting at least a part of the beverage holder. The cooling housing defines an inner compartment including at least two separate, substantially non-toxic reactants, causing when reacting with one another a non-reversible, entropy-increasing reaction producing substantially non-toxic products in a stoichiometric number. The at least two separate substantially non-toxic reactants are initially included in the inner compartment separated from one another and causing, when reacting with one another in the non-reversible, entropy-increasing reaction, a heat reduction of the beverage within the beverage holder. The system further comprises an actuator for initiating the reaction between the at least two separate, substantially non-toxic reactants, and an insulating layer of thermal insulating material enclosing the cooling housing.

IPC 8 full level

**F25D 5/02** (2006.01)

CPC (source: CN EP US)

**F25D 5/02** (2013.01 - CN EP US); **F25D 31/002** (2013.01 - US); **F25D 2331/805** (2013.01 - CN EP US)

Citation (search report)

See references of WO 2014111590A1

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