

Title (en)

Absorption cooling machine with aqueous refrigerant

Title (de)

Absorptionskältemaschine mit wässrigem Kältemittel

Title (fr)

Machine de refroidissement d'absorption avec frigorigène aqueux

Publication

EP 2218982 A3 20110803 (DE)

Application

EP 10153267 A 20100211

Priority

- DE 102009008972 A 20090214
- DE 102009001997 A 20090330

Abstract (en)

[origin: EP2218982A2] The method involves using an evaporator (1) for evaporating water from aqueous refrigerant. An absorber (2) is used for absorbing the evaporated water in a solvent. The solvent is pumped from the absorber to a desorber (4) by a solvent pump (3). The desorber is used to expel the absorbed water from the solvent by supplying heat. The expelled water is supplied to a resorber (27), where a solution of water and antifreeze agent is accommodated in the resorber. The solution of water and antifreeze agent is led into the evaporator for evaporating the water from the solution. Independent claims are also included for the following: (1) an absorption refrigerating machine comprising a sensor arrangement (2) a system for producing food with a cooking device, comprising an ice storage unit.

IPC 8 full level

F25B 15/12 (2006.01); **F25B 15/06** (2006.01); **F25D 23/12** (2006.01)

CPC (source: EP)

F25B 15/06 (2013.01); **F25B 15/12** (2013.01); **F25D 23/12** (2013.01); **F25B 2315/001** (2013.01)

Citation (search report)

- [XY] FR 2699262 A1 19940617 - ELF AQUITAINE [FR]
- [Y] US 2277429 A 19420324 - FIENE MARCUS E
- [Y] FR 1042435 A 19531102
- [A] US 6128917 A 20001010 - RIESCH PETER [DE], et al
- [A] WO 9529370 A1 19951102 - YORK INT CORP [US]
- [A] US 3550391 A 19701229 - GREACEN JOHN A
- [A] US 2269100 A 19420106 - PETER KOHLER

Cited by

CN105765321A; JP2018077002A; WO2015051992A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2218982 A2 20100818; EP 2218982 A3 20110803; DE 102009001997 A1 20100819; DE 102009001997 B4 20120628

DOCDB simple family (application)

EP 10153267 A 20100211; DE 102009001997 A 20090330