

Title (en)

METHOD FOR ACCUMULATING AND RESTORING COLD AND DEVICE FOR IMPLEMENTING SUCH METHOD

Publication

**EP 0255526 B1 19900418 (FR)**

Application

**EP 87900634 A 19870116**

Priority

CH 18086 A 19860118

Abstract (en)

[origin: WO8704509A1] The disclosed device comprises a storage vessel (10) containing a heat-exchanging and cold-accumulating liquid (12) mixed with a mass of rigid aggregates of crystals of said frozen liquid, said crystals being obtained by freezing the liquid by atomization of a refrigerating fluid set in direct contact with the liquid. It is characterized in that it comprises means to create, during the cold accumulation phase, a piston (27) comprised of a homogeneous, porous and compact mass of said rigid aggregates of crystals, means (31) to deposit evenly said crystals on top of the piston (27) and means to resorb said piston (27) from the top.

IPC 1-7

**F25C 1/00**; **F25D 3/00**

IPC 8 full level

**F24F 5/00** (2006.01); **F25C 1/00** (2006.01); **F25D 3/00** (2006.01); **F25D 16/00** (2006.01)

CPC (source: EP US)

**F25C 1/00** (2013.01 - EP US); **F25D 16/00** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**WO 8704509 A1 19870730**; AT E52136 T1 19900515; DE 3762372 D1 19900523; EP 0255526 A1 19880210; EP 0255526 B1 19900418; JP S63503239 A 19881124; US 4894077 A 19900116

DOCDB simple family (application)

**CH 8700007 W 19870116**; AT 87900634 T 19870116; DE 3762372 T 19870116; EP 87900634 A 19870116; JP 50063687 A 19870116; US 11069187 A 19871118