

Title (en)

PASSIVE PHASE CHANGE COOLING DEVICE

Title (de)

KÜHLVORRICHTUNG MIT PASSIVEM PHASENWECHSEL

Title (fr)

DISPOSITIF DE REFROIDISSEMENT A DEPHASAGE PASSIF

Publication

**EP 2556309 B1 20180822 (FR)**

Application

**EP 11730998 A 20110408**

Priority

- FR 1001493 A 20100409
- FR 2011000205 W 20110408

Abstract (en)

[origin: WO2011124790A1] The invention relates to a cooling device including a cooling tube (2) containing a cycle gas; a pressure oscillator (7) that is connected to a first end of the cooling tube in order to generate pressure oscillation and movement of the cycle gas; and a means (9) for changing the phase of the pressure oscillation relative to the cycle gas movement, said phase change means being connected to a second end of the cooling tube (2). The device also includes a first sealable pressure transmission element (13) set up so as to separate the cycle gas from a fluid contained in the phase change means (9). The fluid and the cycle gas are of separate types.

IPC 8 full level

**F25B 9/14** (2006.01)

CPC (source: EP US)

**F25B 9/145** (2013.01 - EP US); **F25B 2309/1423** (2013.01 - EP US); **F25B 2309/1424** (2013.01 - EP US)

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2011124790 A1 20111013**; EP 2556309 A1 20130213; EP 2556309 B1 20180822; FR 2958734 A1 20111014; FR 2958734 B1 20130222; US 10222097 B2 20190305; US 2013025841 A1 20130131

DOCDB simple family (application)

**FR 2011000205 W 20110408**; EP 11730998 A 20110408; FR 1001493 A 20100409; US 201113640207 A 20110408