

Title (en)

Domestic cooling device with heat pump and a Peltier element

Title (de)

Haushalts-Kühlggerät mit Wärmepumpe und Peltier-Element

Title (fr)

Appareil ménager de refroidissement avec pompe à chaleur et éléments à effet Peltier

Publication

**EP 2607821 A3 20151216 (DE)**

Application

**EP 12008480 A 20121220**

Priority

CH 20492011 A 20111223

Abstract (en)

[origin: CH703730A2] The device has cooling goods accommodated in an inner space (1). A compressor (4), a condenser (5) and an evaporator (6) cool the inner space and a side of each of peltier elements (7, 12). The peltier elements additionally cool a portion of the inner space. A controller (18) controls the peltier elements to selectively heat or cool the portion of the inner space. The elements are arranged in a chamber (10) that includes an insulation part (11) against the inner space. Two parts of a power transmission system are provided at an interior (13) of the chamber to provide current to the elements.

IPC 8 full level

**F25D 11/02** (2006.01); **F25B 21/04** (2006.01); **F25B 30/02** (2006.01)

CPC (source: EP)

**F25B 21/04** (2013.01); **F25D 11/02** (2013.01); **F25B 2321/023** (2013.01); **F25B 2321/0252** (2013.01); **F25D 11/025** (2013.01); **F25D 2700/121** (2013.01)

Citation (search report)

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- [Y] EP 1677059 A2 20060705 - LG ELECTRONICS INC [KR]
- [Y] WO 2009003893 A2 20090108 - BSH BOSCH SIEMENS HAUSGERAETE [DE], et al
- [A] WO 2008025850 A2 20080306 - COLIPU AS [DK], et al

Cited by

DE102015006559A1; DE102017129119A1; DE102018107578A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**CH 703730 A2 20120215; CH 703730 A3 20120430; CH 703730 B1 20150615**; EP 2607821 A2 20130626; EP 2607821 A3 20151216

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**CH 20492011 A 20111223**; EP 12008480 A 20121220