

Title (en)

SELF-CONTAINED HEATING AND COOLING MODULE

Title (de)

IN SICH GESCHLOSSENES HEIZ- UND KÜHLMODUL

Title (fr)

MODULE DE CHAUFFAGE ET DE RAFRAICHISSEMENT AUTONOME

Publication

EP 1828689 A2 20070905 (FR)

Application

EP 05850536 A 20051219

Priority

- FR 2005003185 W 20051219
- FR 0413763 A 20041222

Abstract (en)

[origin: FR2879728A1] The system has a heat exchanger (20) exchanging heat energy with a radiating surface (11) through a coolant fluid, and a heat exchanger (30) with a heat exchange surface (32). A power supply (60) supplies electric power to Peltier effect cells (250-254), each presenting cool and hot sides. The cool sides are in direct thermal contact with the surface (32). The hot sides are in direct thermal contact with fins (57) dissipating the heat.

IPC 8 full level

F24F 5/00 (2006.01); **F25B 21/04** (2006.01)

CPC (source: EP)

F24D 11/0221 (2013.01); **F24F 5/0042** (2013.01); **F25B 21/04** (2013.01); **F24H 2250/06** (2013.01); **F25B 2321/0252** (2013.01);
Y02B 10/20 (2013.01); **Y02B 10/70** (2013.01)

Citation (search report)

See references of WO 2006070096A2

Cited by

FR2959557A1; WO2011138547A1

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Designated extension state (EPC)

AL BA HR MK YU

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FR 2879728 A1 20060623; FR 2879728 B1 20070601; EP 1828689 A2 20070905; WO 2006070096 A2 20060706; WO 2006070096 A3 20070405

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