

Title (en)
Air-conditioning core

Title (de)
Klimaanlagenkern

Title (fr)
Coeur de climatisation

Publication
EP 2481997 A2 20120801 (EN)

Application
EP 12153022 A 20120130

Priority
JP 2011018877 A 20110131

Abstract (en)
The air-conditioning core includes a plurality of first Peltier devices, a plurality of first fins and a tube. Each of the first Peltier devices has a first surface and a second surface. The first fins are located on the first surfaces of the first Peltier devices. The tube is located adjacent to the second surfaces of the first Peltier devices. The tube has a main portion extending around the second surfaces of the first Peltier devices and also around the first fins for holding the first Peltier devices, an inlet portion connected to the main portion for allowing heat exchange medium of liquid to flow into the main portion, and an outlet portion connected to the main portion for allowing the heat exchange medium of liquid to flow out of the main portion. The outlet portion is located adjacent to the inlet portion.

IPC 8 full level
F24F 5/00 (2006.01)

CPC (source: EP KR US)
F24F 3/044 (2013.01 - KR); **F25B 21/04** (2013.01 - EP KR US); **F25B 2321/0252** (2013.01 - EP KR US)

Citation (applicant)
JP H10339516 A 19981222 - ORION MACHINERY CO LTD

Cited by
RU2679527C1

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)
EP 2481997 A2 20120801; CN 102620466 A 20120801; JP 2012159233 A 20120823; KR 20120088578 A 20120808;
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EP 12153022 A 20120130; CN 201210020808 A 20120130; JP 2011018877 A 20110131; KR 20120008409 A 20120127;
US 201213357811 A 20120125