

Title (en)
Heat exchanger with accumulator

Title (de)
Wärmetauscher mit Akkumulator

Title (fr)
Echangeur de chaleur avec partie accumulatrice

Publication
EP 1724536 B1 20110126 (DE)

Application
EP 06007946 A 20060415

Priority
DE 102005021787 A 20050511

Abstract (en)
[origin: EP1724536A2] The apparatus has a longitudinal vessel connected to a collecting tube of a heat exchanger, and defining a heat exchanger chamber and an accumulator chamber. The chambers extend parallel over a portion of the length of the vessel. A flat multi-chamber tube is extruded to extend straight over the length of the vessel, where refrigerant on one side flows through the tube and refrigerant on another side flows through the vessel. A heat-conducting rib extends around a periphery of the tube, and fills up the remaining cross-section of the heat exchanger chamber.

IPC 8 full level
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CPC (source: EP US)
F25B 39/04 (2013.01 - EP US); **F25B 40/00** (2013.01 - EP US); **F25B 43/006** (2013.01 - EP US); **F28D 7/106** (2013.01 - EP US); **F28D 7/1684** (2013.01 - EP US); **F28F 1/022** (2013.01 - EP US); **F28F 1/126** (2013.01 - EP US); **F28F 9/005** (2013.01 - EP US); **F25B 2309/061** (2013.01 - EP US); **F25B 2339/0441** (2013.01 - EP US); **F25B 2339/0446** (2013.01 - EP US); **F25B 2400/051** (2013.01 - EP US); **F25B 2500/01** (2013.01 - EP US); **F25B 2500/18** (2013.01 - EP US)

Cited by
EP2937658A1; EP2963362A1; EP1816424A1; EP3748269A1; EP2631566A1; CN103292525A; EP2110624A1; FR2930018A1; EP1892491A3; FR2940418A1; EP2199709A3; US9719706B2; WO2013114384A1

Designated contracting state (EPC)
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