

Title (en)
Heat exchanger with stacked plates

Title (de)
Wärmetauscher mit gestapelten Platten

Title (fr)
Échangeur de chaleur à plaques empilées

Publication
EP 2469210 A3 20150415 (FR)

Application
EP 11194398 A 20111219

Priority
ES 201031917 A 20101222

Abstract (en)
[origin: EP2469210A2] The exchanger has an assembly of stacked plates (2) defining independent circuits between which a fluid e.g. exhaust gas, to be cooled and a coolant circulate in alternate layers. A fluid circuit has a U configuration such that inlet and outlet of the fluid occupy adjacent positions at a same open end of the assembly of stacked plates. The plates define forward and return channels. The plates include a mounting flange coupled to the end. A separation unit i.e. dividing wall (7), separates input stream and output stream of the fluid. The separation unit is secured to the flange.

IPC 8 full level
F28D 7/16 (2006.01); **F28D 21/00** (2006.01); **F28F 1/42** (2006.01); **F28F 3/04** (2006.01)

CPC (source: EP ES KR)
F28D 7/1692 (2013.01 - EP); **F28D 9/00** (2013.01 - KR); **F28D 9/0056** (2013.01 - ES); **F28F 1/42** (2013.01 - EP); **F28F 1/426** (2013.01 - EP); **F28F 3/042** (2013.01 - EP); **F28F 3/12** (2013.01 - KR); **F28F 9/00** (2013.01 - KR); **F28D 21/0003** (2013.01 - EP); **F28F 3/044** (2013.01 - EP); **F28F 3/046** (2013.01 - EP)

Citation (search report)

- [X] WO 2009044947 A1 20090409 - KORENS CO LTD [KR], et al
- [I] KR 100890337 B1 20090325 - GM DAEWOO AUTO & TECHNOLOGY CO [KR]
- [I] WO 2007104580 A2 20070920 - BEHR GMBH & CO KG [DE], et al
- [I] WO 2008125485 A1 20081023 - VALEO TERMICO SA [ES], et al
- [A] JP 2010112201 A 20100520 - TOKYO RADIATOR SEIZO KK

Cited by
EP3021065A4

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 2469210 A2 20120627; **EP 2469210 A3 20150415**; **EP 2469210 B1 20181219**; ES 2397882 A1 20130312; ES 2397882 B1 20131017; ES 2716524 T3 20190613; KR 20120071335 A 20120702

DOCDB simple family (application)
EP 11194398 A 20111219; ES 11194398 T 20111219; ES 201031917 A 20101222; KR 20110138304 A 20111220