

Title (en)
BOARD-TYPE HEAT EXCHANGER

Title (de)
PLATTENWÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR DE TYPE À PLAQUES

Publication
EP 3104110 A4 20170927 (EN)

Application
EP 15743716 A 20150128

Priority
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Abstract (en)
[origin: EP3104110A1] The present invention relates to a plate type heat exchanger, comprising multiple heat exchange plates which are stacked together, each heat exchange plate comprising a fluid inlet and a fluid outlet located at two opposite ends respectively in a longitudinal direction of the heat exchange plate, and where a separating part is provided on a top surface and/or a bottom surface of each heat exchange plate, such that a fluid coming from the fluid inlet is split into different flows at the fluid inlet, then flows into mutually independent fluid channel regions separated by the separating part and converges at the fluid outlet, and finally flows out of the fluid outlet.

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Citation (search report)
• [XY] EP 2172730 A1 20100407 - TOKYO ROKI KK [JP]
• [XY] CN 102494547 A 20120613 - UNIV BEIHANG
• [A] JP 2011149667 A 20110804 - MITSUBISHI ELECTRIC CORP
• [Y] WO 2006110090 A1 20061019 - ALFA LAVAL CORP AB [SE], et al
• [Y] SE 8702608 L 19881225 - CONNY ROLF GOERAN SUNDLOEF
• See references of WO 2015113496A1

Cited by
FR3086378A1; EP4012323A1; US11448468B2; US11920876B2; WO2020065223A1

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