

Title (en)
Plate heat exchanger

Title (de)
Plattenwärmetauscher

Title (fr)
Echangeur thermique à plaques

Publication
EP 2657635 B1 20150610 (DE)

Application
EP 12165204 A 20120423

Priority
EP 12165204 A 20120423

Abstract (en)
[origin: EP2657635A1] The exchanger has guide blades formed in an arch-shaped manner with an inflow leg that is aligned parallel to a main flow direction, and an outflow leg. Individual plates (1) are provided with a profiling that generates turbulences. The blades are arranged in a same distance from associated transverse edges (14a, 14b) of the plate. The profiling protrudes in an inlet region of inflow cross-sections (Z1, Z2) up to the blades, and is recessed in the region that adjoins mirror-symmetrically in the longitudinal center of the individual plates.

IPC 8 full level
F28D 9/00 (2006.01)

CPC (source: EP KR US)
B21D 22/02 (2013.01 - KR); **B21D 53/02** (2013.01 - KR); **F28D 9/0037** (2013.01 - EP US); **F28F 3/044** (2013.01 - EP US);
F28F 3/06 (2013.01 - KR); **F28F 9/0268** (2013.01 - EP US); **F28F 2250/104** (2013.01 - EP)

Cited by
CN108692597A

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

DOCDB simple family (publication)
EP 2657635 A1 20131030; EP 2657635 B1 20150610; KR 102009304 B1 20190809; KR 20130119390 A 20131031;
RU 2012145975 A 20140510; US 2013277024 A1 20131024

DOCDB simple family (application)
EP 12165204 A 20120423; KR 20130051327 A 20130423; RU 2012145975 A 20121029; US 201213620790 A 20120915