

Title (en)

PLATE ELEMENT FOR A PLATE COOLER

Title (de)

PLATTENELEMENT FÜR EINEN PLATTENKÜHLER

Title (fr)

ELEMENT DE PLAQUE POUR REFROIDISSEUR A PLAQUES

Publication

EP 1910764 B1 20130102 (DE)

Application

EP 06776149 A 20060707

Priority

- EP 2006006653 W 20060707
- DE 102005034305 A 20050722

Abstract (en)

[origin: WO2007009615A1] The invention relates to a plate element for a plate cooler, comprising an outer border (8a), running at least partly around the plate element and lying substantially in one plane, the outer border (8a) forming an upper termination of a peripheral side wall (8), a base (1), lying in a bottom plane, with a plurality of openings (2, 3) for allowing a medium to pass through, at least one first opening (2, 3), formed as an aperture in the base, and at least one second opening (4, 5), an opening rim (4a, 5a) of the second opening running in a plane which is parallel to the bottom plane and is offset in a vertical direction with respect to the bottom plane. A plate element is created according to the invention by the second border delimiting at least certain portions of a support area (6, 7) which is substantially parallel to the bottom plane (1), the support area (6, 7) running at least from the second opening (4, 5) to the side wall (8) and being offset with respect to the base in a vertical direction in relation to the bottom plane.

IPC 8 full level

F28D 9/00 (2006.01); **F28F 3/04** (2006.01)

CPC (source: EP US)

F28D 9/005 (2013.01 - EP US); **F28F 3/04** (2013.01 - EP US)

Citation (examination)

- EP 1394491 A2 20040303 - ONDA S P A [IT]
- US 5222551 A 19930629 - HASEGAWA EUTO [JP], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102005034305 A1 20070125; CN 101228408 A 20080723; EP 1910764 A1 20080416; EP 1910764 B1 20130102; EP 1910764 B2 20200708; EP 1910764 B9 20201202; JP 2009503418 A 20090129; US 2008264618 A1 20081030; WO 2007009615 A1 20070125

DOCDB simple family (application)

DE 102005034305 A 20050722; CN 200680026654 A 20060707; EP 06776149 A 20060707; EP 2006006653 W 20060707; JP 2008521838 A 20060707; US 99640406 A 20060707