

Title (en)
Plate heat exchanger

Title (de)
Plattenwärmetauscher

Title (fr)
Echangeur de chaleur à plaques

Publication
EP 1526350 A3 20121219 (DE)

Application
EP 04024125 A 20041009

Priority
DE 10348803 A 20031021

Abstract (en)
[origin: EP1526350A2] The heat exchanger (10') has a stack of heat exchanger plates (14) having multiple aligned openings. Flanges are provided around the plate openings extending both sides of the plane of the plates. Each flange extends from one side around the entire associated opening and from the other side around only a part of the opening. The flanges extend around only part of the openings to deflect media flow. Each plate opening define a flow channel (20,22,24,26) for a medium and adjacent plates of stack defining flow paths for medium.

IPC 8 full level
F28D 9/00 (2006.01); **F28F 27/02** (2006.01)

CPC (source: EP US)
F28D 9/005 (2013.01 - EP US); **F28F 9/026** (2013.01 - EP US)

Citation (search report)

- [XY] WO 03006911 A1 20030123 - ALFA LAVAL CORP AB [SE], et al
- [X] US 4470455 A 19840911 - SACCA DEMETRIO B [US]
- [YA] WO 9715798 A1 19970501 - SWEF INTERNATIONAL AB [SE], et al
- [A] EP 04111123 A1 19910206 - HISAKA WORKS LTD [JP]

Cited by
CN105190217A; CN104755873A; EP3745072A1; EP2899487A1; CN106643236A; US10024602B2; US9417016B2; US10458725B2; DE102005050738A1; EP2474803A3; WO2009008732A3; WO2020239894A1; WO2021147479A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL HR LT LV MK

DOCDB simple family (publication)
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EP 04024125 A 20041009; DE 10348803 A 20031021; US 96915904 A 20041020