

Title (en)
Easy-to-install plate heat exchanger

Title (de)
Plattenwärmetauscher

Title (fr)
Echangeur de chaleur à plaques

Publication
EP 1469271 A2 20041020 (EN)

Application
EP 04076282 A 20040413

Priority
IT MI20030781 A 20030415

Abstract (en)
An easy-to-install plate heat exchanger of the type comprising a number of substantially rectangular-shaped plates (12, 13) positioned one on top of the other and joined together to form a series of distribution chambers (20, 23) for a primary fluid and a secondary fluid alternatively, where said plates (12, 13) are each provided with at least four corresponding through apertures (14-17), said through apertures (14-17) providing a connection between the distribution chambers (20) of the primary fluid and between the distribution chambers (23) of the secondary fluid, and furthermore said apertures at one end of the exchanger forming inlets (14, 16 or 15, 17) and outlets (15, 17 and 14, 16) for the primary fluid and for the secondary fluid, in which exchanger an inlet (14, 16 or 15, 17) and an outlet (15, 17 and 14, 16) of both the primary fluid and the secondary fluid are provided along short sides (19, 22) of the exchanger with substantially rectangular-shaped plates (12, 13). <IMAGE>

IPC 1-7
F28D 9/00

IPC 8 full level
F28F 3/00 (2006.01); **F28D 9/00** (2006.01)

CPC (source: EP KR)
B43K 29/05 (2013.01 - KR); **B65H 37/007** (2013.01 - KR); **F28D 9/005** (2013.01 - EP)

Cited by
CN103429981A; WO2012072386A1

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

DOCDB simple family (publication)
EP 1469271 A2 20041020; IT MI20030781 A1 20041016; KR 20040090444 A 20041025; TW 200420865 A 20041016

DOCDB simple family (application)
EP 04076282 A 20040413; IT MI20030781 A 20030415; KR 20040024795 A 20040412; TW 93110053 A 20040412