

Title (en)
Heat exchanger

Title (de)
Wärmetauscher

Title (fr)
Echangeur de chaleur

Publication
EP 1850082 A1 20071031 (EN)

Application
EP 06113007 A 20060424

Priority
EP 06113007 A 20060424

Abstract (en)
A plate heat exchanger (44) with a symmetrical or asymmetrical plate design in one or more stages and for one or more circuits for use in preparing heat and/or hot water in buildings, which heat exchanger is adapted to transfer heat from a primary fluid circuit to at least one secondary fluid circuit. The heat exchanger includes a number of stacked plates provided with a pattern defining channels (48) for flows of said fluids is provided with at least one port for the primary fluid's and the secondary fluid's inflow and outflow, respectively. At least one port configuration of the heat exchanger and at least one, to the port, associated attachment means are arranged at least partly with a coaxial arrangement for a fluid.

IPC 8 full level
F28D 9/00 (2006.01); **F28F 9/04** (2006.01); **F28F 27/02** (2006.01)

CPC (source: EP)
F28D 9/005 (2013.01); **F28D 9/0093** (2013.01); **F28F 9/0246** (2013.01)

Citation (search report)

- [XY] US 5950715 A 19990914 - JOENSSON NILS-AAKE [SE], et al
- [Y] EP 1155271 A1 20011121 - LE MER JOSEPH MARIE [FR]
- [X] DE 3824074 A1 19900118 - LAENGERER & REICH KUEHLER [DE]
- [X] DE 19712599 A1 19981001 - VOITH TURBO KG [DE]
- [X] WO 9844305 A1 19981008 - CREARE INC [US]

Citation (examination)

- EP 1080329 A1 20010307 - SUNDSVALL EN AB [SE]
- US 5964280 A 19991012 - WEHRMANN REINHARD [DE], et al
- DE 19742075 A1 19990325 - BOSCH GMBH ROBERT [DE]

Cited by
DE102013225321A1; FR3001795A1; CN110073163A; CN108253823A; EP3904816A4; CN103348210A; US9093729B2; US8596343B2; EP2257756A4; WO2012095531A1; WO2018114288A1; US9534854B2; US10871330B2; US8899312B2; WO2012105888A1; WO2020234006A1; TWI449876B

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

Designated extension state (EPC)
AL BA HR MK YU

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