

Title (en)

Plate heat exchanger with single and double wall plates

Title (de)

Plattenwärmeübertrager mit einwandigen und doppelwandigen Wärmeübertragerplatten

Title (fr)

Echangeur de chaleur à plaques avec plaques à parois simples et doubles

Publication

**EP 1475596 B1 20100901 (DE)**

Application

**EP 04009741 A 20040423**

Priority

DE 10320812 A 20030508

Abstract (en)

[origin: EP1475596A2] Plate heat exchanger comprises a stack of heat-exchanger plates that are permanently joined together. Separate through flow chambers for at least two heat-exchanger fluids are formed between the heat-exchanger plates. Some of the heat-exchanger plates are designed as single-walled heat-exchanger plates (1) with one plate element and some are designed as double-walled heat-exchanger plates (2a-c) with two plate elements (2a'-2c', 2a''-2c''). Preferred Features: Separate through flow chambers for three heat-exchanger fluids are formed between the heat-exchanger plates.

IPC 8 full level

**F28F 3/00** (2006.01); **F28D 9/00** (2006.01); **F28F 3/08** (2006.01)

CPC (source: EP US)

**F28D 9/005** (2013.01 - EP US); **F28F 3/046** (2013.01 - EP US)

Cited by

EP2741041A4; EP3404350A4; EP2700894A4; US9874409B2; WO2014140131A1; US9448013B2

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DOCDB simple family (publication)

**EP 1475596 A2 20041110; EP 1475596 A3 20051019; EP 1475596 B1 20100901**; AT E479874 T1 20100915; CA 2465441 A1 20041108; CA 2465441 C 20081209; CN 100443848 C 20081217; CN 1550746 A 20041201; CN 1847767 A 20061018; DE 10320812 A1 20041125; DE 10320812 B4 20070301; DE 502004011600 D1 20101014; HK 1092865 A1 20070216; NZ 532496 A 20050324; US 2004256083 A1 20041223; US 6973961 B2 20051213

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