

Title (en)  
Plate heat exchanger

Title (de)  
Plattenwärmetauscher

Title (fr)  
Echangeur de chaleur à plaques

Publication  
**EP 1531314 B1 20061122 (DE)**

Application  
**EP 04022403 A 20040921**

Priority  
DE 20317469 U 20031111

Abstract (en)  
[origin: EP1531314A1] The baseplate (1) has two grip holes for fastenings and the plates (2), apart from the grip opened areas (5) at the grip holes (3), are all of baseplate size. The baseplate has two inlets and outlets for the exchange fluids and the grip holes (3) are either simple bores or else designed as slots (10) open to the edge of the baseplate (1) and set halfway across the narrow sides of the specifically rectangular baseplate. The inlets and outlets are at the baseplate corners so the grip holes stand between in line with the respective inlets or outlets. The openings (5) present steadily rounded transitions.

IPC 8 full level  
**F28D 9/00** (2006.01); **F28F 9/00** (2006.01); **F28F 9/007** (2006.01)

CPC (source: EP)  
**F28D 9/005** (2013.01); **F28F 9/002** (2013.01); **F28F 9/0075** (2013.01)

Cited by  
US2021270537A1; US11821694B2; CN109141081A; US7717165B2; US7721795B2; WO2011092240A1

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**DE 20317469 U1 20040311**; DE 502004002075 D1 20070104; EP 1531314 A1 20050518; EP 1531314 B1 20061122

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