

Title (en)  
Plate heat exchanger

Title (de)  
Plattenwärmetauscher

Title (fr)  
Echangeur thermique à plaques

Publication  
**EP 1985955 A3 20121107 (DE)**

Application  
**EP 08006783 A 20080403**

Priority  
DE 102007020187 A 20070428

Abstract (en)  
[origin: EP1985955A2] The heat exchanger has a carrier plate fixed to a function unit above it, and a first holding plate (3') between the plate stack (1) and the carrier plate. An independent holding device (4) acts between the first and second holding plates (3', 3), so that the holding device keeps the plate stack together when the clamping device is not effective.

IPC 8 full level  
**F28D 9/00** (2006.01); **F28F 3/08** (2006.01); **F28F 3/10** (2006.01)

CPC (source: EP)  
**F28D 9/00** (2013.01); **F28F 3/083** (2013.01); **F28F 3/10** (2013.01); **F28F 2275/205** (2013.01); **F28F 2280/06** (2013.01)

Citation (search report)

- [XY] US 5544703 A 19960813 - RICARD JOEL [FR], et al
- [Y] DE 4017662 A1 19911205 - SCHWARTING MARINE MOTORE GMBH [DE]
- [X] US 3610331 A 19711005 - SCHREIBER HELMUT

Cited by  
EP2589916A1; EP2474804A1; CN103282736A; JP2014505224A; WO2012095341A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 1985955 A2 20081029; EP 1985955 A3 20121107; EP 1985955 B1 20140312**; DE 102007020187 A1 20081030

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**EP 08006783 A 20080403**; DE 102007020187 A 20070428