

Title (en)

Plate heater for heat transfer processes

Title (de)

Plattenapparat für Wärmeübertragungsvorgänge

Title (fr)

Appareil à plaques pour processus de transmission thermique

Publication

EP 1995545 B1 20160413 (DE)

Application

EP 08009349 A 20080521

Priority

DE 102007024379 A 20070523

Abstract (en)

[origin: EP1995545A2] The apparatus has a rectangular channel (1) provided with non-deformable broad walls (2, 3) and left and right side walls. A single or multipart insert (7) is provided inside the channel. A single or multipart top part (8) is provided on the broad walls. The channel is surrounded by a housing. The insert and top part have structured layers (200) provided with spring and guide bars. One of the layers is turned around longitudinal axis at 180 degrees, and the other layer is firmly placed such that an inclination angle of the bars is varied to form a section in which fluid is flowed. An independent claim is also included for a method for operating a plate apparatus.

IPC 8 full level

F28D 9/00 (2006.01); **F28F 3/02** (2006.01)

CPC (source: EP)

F28D 9/0006 (2013.01); **F28F 3/02** (2013.01); **F28F 13/12** (2013.01); **F28D 2021/0022** (2013.01); **F28D 2021/0098** (2013.01); **F28F 2225/04** (2013.01); **F28F 2265/12** (2013.01); **F28F 2280/02** (2013.01)

Cited by

DE102017131418A1; WO2020156994A1; US11879694B2; DE102021115881A1; WO2022263146A1

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DOCDB simple family (publication)

EP 1995545 A2 20081126; **EP 1995545 A3 20090325**; **EP 1995545 B1 20160413**; DE 102007024379 A1 20081127

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