

Title (en)
Plate heat exchanger

Title (de)
Plattenwärmetauscher

Title (fr)
Echangeur thermique à plaques

Publication
EP 2045556 B1 20121128 (DE)

Application
EP 08164770 A 20080922

Priority
AT 15662007 A 20071004

Abstract (en)
[origin: EP2045556A2] The exchanger has strand like chains including deflection areas (30, 32) for a medium for directly adjoined chains such that sinks of each chain is in flow connection with directly adjoined uprisings of the directly adjoined chains. Bars of each chain are parallelly arranged with each other and are inclinedly formed in the same direction with respect to a partition (10), where an acute angle (alpha) is spanned between the partition and bars. The uprisings und sinks of the chains are displaced in the cover on the directly adjoined chains. An independent claim is also included for a method for producing a turbulence generator for a plate-heat exchanger.

IPC 8 full level
F28F 3/02 (2006.01)

CPC (source: EP US)
B21D 53/02 (2013.01 - EP US); **F28F 3/027** (2013.01 - EP US); **F28F 13/12** (2013.01 - EP US); **Y10T 29/4935** (2015.01 - EP US)

Designated contracting state (EPC)
AT DE FR GB

DOCDB simple family (publication)
AT 505300 A4 20081215; AT 505300 B1 20081215; CN 101469957 A 20090701; CN 101469957 B 20120725; EP 2045556 A2 20090408; EP 2045556 A3 20100317; EP 2045556 B1 20121128; US 2009095456 A1 20090416; US 8418752 B2 20130416

DOCDB simple family (application)
AT 15662007 A 20071004; CN 200810190814 A 20080927; EP 08164770 A 20080922; US 28530608 A 20081001