

Title (en)

Manufacturing Process for a Plate Heat Exchanger Made of Plastic

Title (de)

Verfahren zur Herstellung eines Plattenwärmetauschers aus Kunststoff

Title (fr)

procédé de fabrication d'un échangeur thermique à plaques en matière synthétique

Publication

**EP 2730880 B1 20210224 (DE)**

Application

**EP 12191858 A 20121108**

Priority

EP 12191858 A 20121108

Abstract (en)

[origin: EP2730880A1] The heat exchanger (W) has a flow channel through which medium (I,II) is flown respectively and is formed between pair of plates (P) that are interconnected with panels (E) that are formed of plastic. The pairs of plates are interconnected to form a plate stack (S). The pairs of plates and the plate stack are laser-welded together. The plate stack and/or the pair of plate are laser welded together along two opposing longitudinal edges. An independent claim is included for a method for manufacturing plate heat exchanger.

IPC 8 full level

**F28F 21/06** (2006.01); **F28D 9/00** (2006.01)

CPC (source: EP)

**F28D 9/0037** (2013.01); **F28F 21/065** (2013.01)

Citation (examination)

EP 1097011 B1 20030910 - ALFA LAVAL AB [SE]

Cited by

CN113199144A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2730880 A1 20140514**; **EP 2730880 B1 20210224**; CN 105008849 A 20151028; DK 2730880 T3 20210517; EA 037914 B1 20210604; EA 037914 B9 20220218; EA 201590784 A1 20151030; ES 2865176 T3 20211015; HR P20210789 T1 20210625; HU E054160 T2 20210830; LT 2730880 T 20210525; PL 2730880 T3 20210726; SI 2730880 T1 20210831; WO 2014072804 A1 20140515

DOCDB simple family (application)

**EP 12191858 A 20121108**; CN 201380068662 A 20131108; DK 12191858 T 20121108; EA 201590784 A 20131108; ES 12191858 T 20121108; HR P20210789 T 20210517; HU E12191858 A 20121108; IB 2013002500 W 20131108; LT 12191858 T 20121108; PL 12191858 T 20121108; SI 201231918 T 20121108