

Title (en)

REINFORCED HEAT EXCHANGER COMPRISING A STACK OF PLATES

Title (de)

VERSTÄRKTER WÄRMETAUSCHER MIT EINEM STAPEL AUS PLATTEN

Title (fr)

ÉCHANGEUR DE CHALEUR RENFORCÉ COMPRENANT UN EMPILEMENT DE PLAQUES

Publication

EP 3824237 A1 20210526 (EN)

Application

EP 19740533 A 20190712

Priority

- EP 18184518 A 20180719
- EP 2019068841 W 20190712

Abstract (en)

[origin: EP3598049A1] The heat exchanger (2) comprises a stack of plates (4) comprising a lower plate (20) onto which the other plates (22) are stacked. The heat exchanger (2) also comprises a fixation plate (6) and a reinforcement plate (8) between the fixation plate (6) and the lower plate (20). The reinforcement plate (8) has reinforcing elements (24) obtained from a cut and fold of the reinforcement plate (8) material.

IPC 8 full level

F28D 9/00 (2006.01); **F28F 9/007** (2006.01)

CPC (source: EP US)

F28D 9/005 (2013.01 - EP US); **F28F 9/0075** (2013.01 - EP US); **F28D 2021/0089** (2013.01 - EP US); **F28F 2225/00** (2013.01 - EP); **F28F 2225/02** (2013.01 - US); **F28F 2280/06** (2013.01 - EP US)

Citation (search report)

See references of WO 2020016132A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3598049 A1 20200122; **EP 3598049 B1 20220810**; CN 112805526 A 20210514; CN 112805526 B 20240308; EP 3824237 A1 20210526; US 2021302111 A1 20210930; WO 2020016132 A1 20200123

DOCDB simple family (application)

EP 18184518 A 20180719; CN 201980046694 A 20190712; EP 19740533 A 20190712; EP 2019068841 W 20190712; US 201917261096 A 20190712