

Title (en)
METHOD FOR MANUFACTURING HEAT TRANSFER ELEMENT

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES WÄRMEÜBERTRAGUNGSELEMENTS

Title (fr)
PROCÉDÉ DE FABRICATION D'ÉLÉMENT DE TRANSFERT DE CHALEUR

Publication
EP 3273196 A1 20180124 (EN)

Application
EP 15885455 A 20150318

Priority
JP 2015058127 W 20150318

Abstract (en)
A heat exchange element (1) includes an opposing flow-path portion (13); a first flow-path separator portion (14); and a second flow-path separator portion (15), each of which is formed by alternately stacking a plurality of partition plates (2) and a plurality of spacing plates (3) having a corrugated shape in cross section. In the opposing flow-path portion (13), the spacing plates (3) are disposed in such a manner that peaks of the corrugated shape extend parallel to each other when viewed in a direction in which the partition plates (2) and the spacing plates (3) are stacked, and a first flow path and a second flow path are formed alternately with the partition plate (2) interposed between the first and second flow paths. The first flow-path separator portion (14) and the second flow-path separator portion (15) separate air that flows through the first flow path and air that flows through the second flow path from each other in different directions. Each partition plate (2) of the opposing flow-path portion (13) and each partition plate (2) of the first flow-path separator portion (14) are joined with a tape (7). Each partition plate (2) of the opposing flow-path portion (13) and each partition plate (2) of the second flow-path separator portion (15) are joined with the tape (7).

IPC 8 full level
F28F 3/08 (2006.01); **F24F 7/08** (2006.01); **F28D 9/00** (2006.01)

CPC (source: EP)
F28D 9/0068 (2013.01); **F28F 3/025** (2013.01); **F28F 3/10** (2013.01)

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 3273196 A1 20180124; **EP 3273196 A4 20181107**; **EP 3273196 B1 20200226**; JP 6275325 B2 20180207; JP WO2016147359 A1 20170629; WO 2016147359 A1 20160922

DOCDB simple family (application)
EP 15885455 A 20150318; JP 2015058127 W 20150318; JP 2017505960 A 20150318