

Title (en)

RECUPERATOR, PARTS OF WHICH ARE MANUFACTURED BY INJECTION MOULDING

Title (de)

REKUPERATOR MIT DURCH SPRITZGUSS HERGESTELLTEN TEILEN

Title (fr)

RÉCUPÉRATEUR, DONT CERTAINES PARTIES SONT FABRIQUÉES PAR MOULAGE PAR INJECTION

Publication

EP 3423773 A1 20190109 (EN)

Application

EP 17716064 A 20170301

Priority

- NL 2016347 A 20160301
- NL 2017050126 W 20170301

Abstract (en)

[origin: WO2017150975A1] The invention relates to a recuperator, comprising plates stacked onto each other and extending with their main direction parallel, wherein at least some of the number of plates are provided over at least a substantial part of their surface with profiles comprising side walls which extend mutually parallel and with a component transversely of the main direction of the plates, and channels extending mutually parallel are present between the side walls, wherein each of the side walls lies adjacent on one of its sides to channels of the first type and lies adjacent on its other side to channels of the second type, wherein adjoining plates stacked onto each other are connected at their edges extending parallel to the channels and the plates which are provided with profiles are manufactured by injection moulding. The plates which are provided with a profile preferably comprise side wall pieces extending parallel to the longitudinal direction of the profiles and forming a connection to side wall pieces of adjacent plates.

IPC 8 full level

F28F 3/04 (2006.01); **F28D 9/00** (2006.01); **F28D 21/00** (2006.01); **F28F 21/06** (2006.01)

CPC (source: EP)

F28D 9/0025 (2013.01); **F28D 9/0037** (2013.01); **F28D 9/0062** (2013.01); **F28D 9/0068** (2013.01); **F28D 21/0001** (2013.01); **F28D 21/0014** (2013.01); **F28F 21/06** (2013.01); **F28F 21/065** (2013.01); **F28F 21/066** (2013.01); **F28F 2255/143** (2013.01); **F28F 2275/14** (2013.01)

Citation (search report)

See references of WO 2017150975A1

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)

WO 2017150975 A1 20170908; CN 109073336 A 20181221; EP 3423773 A1 20190109; NL 2016347 B1 20170911

DOCDB simple family (application)

NL 2017050126 W 20170301; CN 201780027177 A 20170301; EP 17716064 A 20170301; NL 2016347 A 20160301