

Title (en)

VARIABLE GEOMETRY HEAT EXCHANGER

Title (de)

WÄRMETAUSCHER MIT VARIABLER GEOMETRIE

Title (fr)

ÉCHANGEUR DE CHALEUR À GÉOMÉTRIE VARIABLE

Publication

EP 3722721 A1 20201014 (EN)

Application

EP 19213142 A 20191203

Priority

US 201916377803 A 20190408

Abstract (en)

A heat exchanger (10) includes a core (15) having a nonrectangular cross-sectional area, a plurality of cold flow layers (18) centered about a centerline with each of the plurality of cold flow layers (34) separated by corresponding walls. The heat exchanger (10) also includes a plurality of hot flow tubes (34) corresponding to each of the plurality of cold flow layers.

IPC 8 full level

F28D 7/00 (2006.01); **F28D 7/16** (2006.01); **F28F 7/02** (2006.01)

CPC (source: EP US)

F28D 7/0008 (2013.01 - EP); **F28D 7/1669** (2013.01 - EP US); **F28D 7/1684** (2013.01 - US); **F28F 7/02** (2013.01 - EP); **F28F 2210/02** (2013.01 - EP); **F28F 2255/18** (2013.01 - EP)

Citation (search report)

- [XAI] WO 2017008108 A1 20170119 - CONFLUX ENTPR PTY LTD (AS TRUSTEE) [AU]
- [A] EP 3339792 A1 20180627 - ALFA LAVAL CORP AB [SE]
- [A] US 2017205156 A1 20170720 - RANJAN RAM [US], et al
- [A] EP 3193125 A1 20170719 - HAMILTON SUNDSTRAND CORP [US]

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 3722721 A1 20201014; **EP 3722721 B1 20211103**; US 2020318913 A1 20201008

DOCDB simple family (application)

EP 19213142 A 20191203; US 201916377803 A 20190408