

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR

Publication
EP 3699536 A1 20200826 (EN)

Application
EP 18868949 A 20181017

Priority
• JP 2017201112 A 20171017
• JP 2018038572 W 20181017

Abstract (en)
A heat exchanger 10 that comprises a tubular peripheral wall 11 and a partitioning wall 12 that divides the inside of the peripheral wall 11 into a plurality of heat medium passage cells 13a and a plurality of gas passage cells 13b that extend in the axial direction of the peripheral wall 11. Heat exchange occurs between the heat medium that flows through the heat medium passage cells 13a and the gas that flows through the gas passage cells 13b. The number ratio between the heat medium passage cells 13a and the gas passage cells 13b is 1:3-1:6.

IPC 8 full level
F28D 7/00 (2006.01); **F01N 5/02** (2006.01); **F28D 7/16** (2006.01); **F28F 21/04** (2006.01)

CPC (source: EP US)
F01N 5/02 (2013.01 - EP); **F28D 7/00** (2013.01 - EP); **F28D 7/16** (2013.01 - EP US); **F28F 7/02** (2013.01 - EP); **F28F 21/04** (2013.01 - EP US); **F01N 5/02** (2013.01 - US); **F01N 2240/02** (2013.01 - US); **F28D 21/0003** (2013.01 - EP US); **F28F 7/02** (2013.01 - 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 3699536 A1 20200826; **EP 3699536 A4 20210616**; CN 111201412 A 20200526; JP 2019074264 A 20190516; JP 6826969 B2 20210210; US 2020292252 A1 20200917; WO 2019078224 A1 20190425

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