

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ECHANGEUR DE CHALEUR

Publication
EP 3173722 A1 20170531 (EN)

Application
EP 15196286 A 20151125

Priority
EP 15196286 A 20151125

Abstract (en)
A heat exchanger (10) comprises walls (20, 30) to form a space (40) for a flue gas. At least one channel (60) formed in at least one of the walls (20) in which a fluid is to flow. The channel (60) includes at least two straight portions (60a, 60b) which are arranged in substantially parallel to each other and are connected in series. A stagnation prevention means (64) is arranged in at least one connecting area (61 a) of the straight portions (60a, 60b) where the two straight portions (60a, 60b) are connected and which is located on the most upstream side in the channel (60) with respect to a fluid flow.

IPC 8 full level
F28F 3/02 (2006.01); **F24H 1/26** (2006.01); **F24H 1/38** (2006.01); **F24H 9/00** (2006.01); **F28F 3/04** (2006.01); **F28F 3/12** (2006.01)

CPC (source: EP)
F24H 1/26 (2013.01); **F28F 3/022** (2013.01); **F28F 3/048** (2013.01); **F28F 3/12** (2013.01); **F28F 7/02** (2013.01); **F28F 13/06** (2013.01); **F28F 13/08** (2013.01); **F24H 9/0026** (2013.01); **F28F 2255/14** (2013.01)

Citation (applicant)
WO 2009053248 A1 20090430 - BEKAERT COMBUST TECHNOL B V [NL], et al

Citation (search report)
• [YD] WO 2009053248 A1 20090430 - BEKAERT COMBUST TECHNOL B V [NL], et al
• [Y] EP 1985954 A2 20081029 - PIERBURG GMBH [DE]
• [Y] US 2013206371 A1 20130815 - FUJITA SATORU [JP]

Cited by
CN107477871A; EP3425301A1; WO2020030386A1; WO2019008007A1; CN115143630A; CN115143631A; US11835261B2; US11835262B2; US11879666B2

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 3173722 A1 20170531; **EP 3173722 B1 20190501**; CN 108351184 A 20180731; CN 108351184 B 20200619; WO 2017090595 A1 20170601

DOCDB simple family (application)
EP 15196286 A 20151125; CN 201680066139 A 20161122; JP 2016084575 W 20161122