

Title (en)
PLATE HEAT EXCHANGER WITH AN ARRANGEMENT FOR KEEPING SAID PLATE HEAT EXCHANGER CLEAN IN COOLING OF GAS INCLUDING IMPURITIES

Title (de)
PLATTENWÄRMETAUSCHER MIT EINER ANORDNUNG, UM BESAGTEN PLATTENWÄRMETAUSCHER BEI DER KÜHLUNG VON GAS MIT VERUNREINIGUNGEN SAUBER ZU HALTEN

Title (fr)
ÉCHANGEUR DE CHALEUR À PLAQUES AVEC UN DISPOSITIF DE MAINTIEN DE PROPRETÉ DE L'ÉCHANGEUR DE CHALEUR À PLAQUES LORS DU REFROIDISSEMENT DE GAZ CONTENANT DES IMPURETÉS

Publication
EP 3303972 B1 20210317 (EN)

Application
EP 15893187 A 20150522

Priority
FI 2015000026 W 20150522

Abstract (en)
[origin: WO2016189184A1] An arrangement for keeping a plate heat exchanger clean in cooling of gas (G1) is characterised in that for carrying out a cleaning action in one or more slots (S7, S8) between the plates (3) it comprises in the inlet channel (6) movable first means (17, 20) for forming a block (38, 39) between said slots (S7, S8) and the inlet channel and opening a connection (18, 20) from said slots to a space having negative pressure in relation to the pressure in the heat exchanger for generating an instantaneous discharge (G3) of gas and cleaning blast from said slots and respectively closing said connection and opening said block, and additionally second means for controlling moving of the first means and the cleaning action.

IPC 8 full level
F28D 1/03 (2006.01); **F28D 9/00** (2006.01); **F28F 19/01** (2006.01); **F28F 27/02** (2006.01); **F28G 1/16** (2006.01); **F28G 13/00** (2006.01); **F28G 15/00** (2006.01); **F28G 15/08** (2006.01); **F28G 15/10** (2006.01)

CPC (source: EP)
F28D 1/0308 (2013.01); **F28D 9/005** (2013.01); **F28F 19/01** (2013.01); **F28F 27/02** (2013.01); **F28G 1/163** (2013.01); **F28G 15/003** (2013.01); **F28G 15/08** (2013.01); **F28F 2250/06** (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

DOCDB simple family (publication)
WO 2016189184 A1 20161201; EP 3303972 A1 20180411; EP 3303972 A4 20190417; EP 3303972 B1 20210317; PL 3303972 T3 20211115

DOCDB simple family (application)
FI 2015000026 W 20150522; EP 15893187 A 20150522; PL 15893187 T 20150522