

Title (en)

HONEYCOMB BLOCK AND HEAT EXCHANGER ELEMENTS PRODUCED THEREFROM, IN PARTICULAR FOR FLUE GAS CLEANING SYSTEMS OF POWER PLANTS

Title (de)

WABENBLOCK UND HIERAUS HERGESTELLTE WÄRMETAUSCHERELEMENTE, INSBESONDERE FÜR RAUCHGASREINIGUNGSANLAGEN VON KRAFTWERKEN

Title (fr)

BLOC EN NID D'ABEILLES ET ÉLÉMENTS ÉCHANGEURS DE CHALEUR FABRIQUÉS À PARTIR DE CELUI-CI, NOTAMMENT POUR ÉPURATEURS DE GAZ DE FUMÉE DE CENTRALES ÉLECTRIQUES

Publication

**EP 3198214 B1 20190102 (DE)**

Application

**EP 15780777 A 20150923**

Priority

- DE 102014114052 A 20140926
- EP 2015071854 W 20150923

Abstract (en)

[origin: WO2016046257A1] The invention relates to a honeycomb block, in particular for producing heat exchanger elements for flue gas cleaning systems of power plants. The honeycomb block comprises a body that is integrally produced from a plastic material and comprises a plurality of parallel flow channels which are separated from one another by channel walls. The aim of the invention is to improve the mechanical properties and thus the practical suitability. This is achieved in that the plastic material comprises a plastic which contains a content of approximately 80 wt.% or more of virgin polytetrafluoroethylene (PTFE) and optionally a content of approximately 20 wt.% or less of a heavy-duty polymer which is different from the PTFE.

IPC 8 full level

**F28D 19/04** (2006.01); **F28F 21/06** (2006.01)

CPC (source: EP)

**F28D 19/044** (2013.01); **F28F 21/06** (2013.01); **F28F 2255/06** (2013.01)

Citation (examination)

- DE 19512351 C1 19961114 - POEHLMANN KLAUS ERNST [DE]
- EP 2241597 A1 20101020 - ELRINGKLINGER AG [DE]

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)

**DE 102014114052 A1 20160331**; CN 106716038 A 20170524; EP 3198214 A1 20170802; EP 3198214 B1 20190102; PL 3198214 T3 20190628; TR 201903555 T4 20190422; WO 2016046257 A1 20160331

DOCDB simple family (application)

**DE 102014114052 A 20140926**; CN 201580052139 A 20150923; EP 15780777 A 20150923; EP 2015071854 W 20150923; PL 15780777 T 20150923; TR 201903555 T 20150923