

Title (en)

GRATE BLOCK FOR A COMBUSTION GRATE

Title (de)

ROSTBLOCK FÜR EINEN VERBRENNUNGSROST

Title (fr)

BLOC DE GRILLAGE POUR UNE GRILLE DE COMBUSTION

Publication

EP 3994393 B1 20230726 (DE)

Application

EP 20716792 A 20200406

Priority

- EP 19184559 A 20190705
- EP 2020059704 W 20200406

Abstract (en)

[origin: WO2021004664A1] The invention relates to a grate block (10) for a combustion grate, in which consecutive grate blocks are arranged one over the other in the manner of a staircase and are designed to rearrange and convey the combustible material during combustion by means of pushing motions performed in relation to each other. The grate block (10) comprises a block body (12) which has an upper wall (14) forming a bearing surface (16), along which wall the combustible material is to be conveyed, and a front wall (20) forming a push surface (22), wherein the front wall (20) has first air supply openings (25), which are formed in each case by a first air supply channel (27) for feeding air to the combustion grate, and a lower bearing edge (23) which is intended to come into contact with the bearing surface of a grate block that is adjacent in the pushing direction S. Further air supply channels (38), which traverse and are directed obliquely with respect to the direction of the first air supply channels, are arranged in the upper wall (14) and in the front wall (20) for cooling the upper and the front wall (20).

IPC 8 full level

F23H 17/12 (2006.01); **F23H 3/02** (2006.01)

CPC (source: EP KR US)

F23G 5/002 (2013.01 - KR); **F23H 3/02** (2013.01 - EP KR US); **F23H 17/12** (2013.01 - EP KR 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

DOCDB simple family (publication)

WO 2021004664 A1 20210114; AU 2020310397 A1 20211223; BR 112021025942 A2 20220222; CA 3147854 A1 20210114; CN 114144618 A 20220304; CN 114144618 B 20240308; EP 3994393 A1 20220511; EP 3994393 B1 20230726; EP 3994393 C0 20230726; JP 2022538488 A 20220902; KR 20220025090 A 20220303; MX 2022000025 A 20220518; US 2022260252 A1 20220818

DOCDB simple family (application)

EP 2020059704 W 20200406; AU 2020310397 A 20200406; BR 112021025942 A 20200406; CA 3147854 A 20200406; CN 202080042527 A 20200406; EP 20716792 A 20200406; JP 2022500055 A 20200406; KR 20227003712 A 20200406; MX 2022000025 A 20200406; US 202017625030 A 20200406