

Title (en)

GRATE BAR ASSEMBLY AND METHOD FOR OPERATING A GRATE BAR ASSEMBLY

Title (de)

ROSTSTABANORDNUNG UND VERFAHREN ZUM BETREIBEN EINER ROSTSTABANORDNUNG

Title (fr)

AGENCEMENT DE BARREAU DE GRILLE ET PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER UN AGENCEMENT DE BARREAU DE GRILLE

Publication

EP 4067744 B1 20231025 (DE)

Application

EP 22174061 A 20210426

Priority

- DE 102020003114 A 20200525
- EP 21000116 A 20210426

Abstract (en)

[origin: US2021364164A1] A grate bar has a grate bar head, two side walls, a running surface behind the head and between the side walls and an underside disposed below the surface and between the side walls. A recess in one side wall forms an air slot between the surface and underside and is arranged only on one side wall, not in its opposite side wall. In a grate bar arrangement including multiple grate bars, each including a running surface and a grate bar head, in which an upper grate bar with grate bar head is moveably arranged relative to a lower grate bar so that the head may slide over front and rear grate bar running surface areas, the running surface has air slots in the front and rear areas and the head is displaceable relative to these slots so that the opening cross section of all slots remains constant.

IPC 8 full level

F23H 7/08 (2006.01); **F23H 17/00** (2006.01)

CPC (source: EP US)

F23H 7/08 (2013.01 - EP); **F23H 17/00** (2013.01 - EP); **F23H 17/08** (2013.01 - US); **F23H 17/12** (2013.01 - US); **F23H 2900/17002** (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

DOCDB simple family (publication)

EP 3926237 A2 20211222; **EP 3926237 A3 20220223**; **EP 3926237 B1 20231213**; **EP 3926237 C0 20231213**; DE 102020003114 A1 20211125; EP 4067744 A1 20221005; EP 4067744 B1 20231025; EP 4067744 C0 20231025; JP 2021188894 A 20211213; JP 7235799 B2 20230308; PL 4067744 T3 20240408; SG 10202104656W A 20211230; US 11906162 B2 20240220; US 2021364164 A1 20211125; US 2023392787 A1 20231207

DOCDB simple family (application)

EP 21000116 A 20210426; DE 102020003114 A 20200525; EP 22174061 A 20210426; JP 2021070007 A 20210416; PL 22174061 T 20210426; SG 10202104656W A 20210505; US 202117327840 A 20210524; US 202318235442 A 20230818