

Title (en)
FIRE GRATE

Title (de)
FEUERUNGSROST

Title (fr)
GRILLE DE FOYER

Publication
EP 3885652 A4 20220831 (EN)

Application
EP 19886731 A 20190708

Priority
• JP 2018004543 U 20181122
• JP 2019026978 W 20190708

Abstract (en)
[origin: EP3885652A1] A grate bar (1) includes an upper wall portion (2) which extends in a first direction (D), a front wall portion (3) which extends downward from a distal end of the upper wall portion (2), a channel (S) which is provided on a back side of the upper wall portion (2), and a partition wall (8) which vertically divides the channel (S) and includes a partition wall main body (9) of which a main surface faces the upper wall portion (2) and a plurality of cooling holes (10) which are formed in the partition wall main body (9) and eject a cooling medium toward a back surface of the upper wall portion (2) to cool the upper wall portion (2) by impingement.

IPC 8 full level
F23H 1/02 (2006.01); **F23H 3/02** (2006.01); **F23H 7/08** (2006.01); **F23H 11/18** (2006.01); **F23H 17/12** (2006.01)

CPC (source: EP KR RU)
F23H 1/02 (2013.01 - EP); **F23H 3/02** (2013.01 - EP KR RU); **F23H 7/08** (2013.01 - EP); **F23H 7/14** (2013.01 - KR); **F23H 11/18** (2013.01 - EP); **F23H 17/12** (2013.01 - EP RU)

Citation (search report)
• [X1] US 4870913 A 19891003 - SCHNEIDER RICHARD [DE]
• [XAI] CN 2654607 Y 20041110 - UNIV YANSHAN [CN]
• [XAI] JP S6086730 U 19850614
• See also references of WO 2020105217A1

Cited by
AT526670A4; AT526670B1

Designated contracting state (EPC)
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