

Title (en)

GRATE BAR FOR A COMBUSTION FURNACE, INCLUDING A REPLACEABLE HEAD

Title (de)

ROSTSTAB FÜR EINEN VERBRENNUNGSOFFEN MIT AUSWECHSELBAREM KOPF

Title (fr)

BARREAU DE GRILLE POUR UN FOYER DE COMBUSTION AVEC UNE TÊTE REMPLAÇABLE.

Publication

**EP 2614306 B1 20170621 (FR)**

Application

**EP 11774069 A 20110909**

Priority

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- FR 2011052070 W 20110909

Abstract (en)

[origin: GB2483479A] A grate bar for a waste burning furnace has an elongated recess 43,45 on one side of the bar and an engaging element 38,39 on the other side of the grate bar, the recess extending in a longitudinal direction of the bar such that an engaging element of a neighbouring bar can move longitudinally within the recess, the engaging element having a longitudinal shape with the height of the ends of the engaging element being slightly smaller than the height of the recess of the neighbouring bar. The engaging element may be an octagonal shaped protrusion (157, fig 26) so that the grate can be used with a broken bar. The recess and engaging element can be at a proximal or driven end of the bar. Various embodiments show bars with an air duct at an angle to the longitudinal direction; fixed and movable bars with a cutting angle or motion between adjacent air ducts; a side air duct from a lower to upper surface; conducting air blown below a grate along side faces of grate bars; and an exchangeable head.

IPC 8 full level

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