

Title (en)

A GRATE AND A METHOD FOR MONITORING THE GRATE

Title (de)

FEUERROST UND VERFAHREN ZUR ÜBERWACHUNG DES FEUERROSTS

Title (fr)

GRILLE ANTI-FEU ET PROCÉDÉ DE SURVEILLANCE DE LA GRILLE ANTI-FEU

Publication

**EP 4273451 B1 20240515 (DE)**

Application

**EP 23170593 A 20230428**

Priority

DE 102022110710 A 20220502

Abstract (en)

[origin: JP2023165393A] To enable monitoring of a fire grate, in particular, reliable monitoring of the actual advance of the fire grate.SOLUTION:  
A fire grate 1 for waste incineration facility includes: a driver unit 4; a plurality of fire grate bar rows 2, each having a fire grate bar support 2a that rotatably supports a plurality of fire grate bars 2b; and a fire grate mechanism 3. The driver unit 4 is operatively coupled with at least some of the fire grate bar rows 2 through the fire grate mechanism 3, allowing motion to be introduced to the fire grate bars 2b. According to the invention, the fire grate mechanism 3 has at least one gradient sensor 5a, 5b to determine and output gradient information. The gradient information is created according to the gradient N of the gradient sensor 5a, 5b relative to the reference direction R.SELECTED DRAWING: Figure 1

IPC 8 full level

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