

Title (en)

LIQUID-COOLED GRATE IN A SOLID-FUEL BURNER

Title (de)

FLÜSSIGKEITSGEKÜHLTER ROST IN EINEM FESTBRENNSTOFFBRENNER

Title (fr)

GRILLE REFROIDIE PAR LIQUIDE DANS UN BRÛLEUR DE COMBUSTIBLE SOLIDE

Publication

**EP 4102133 A1 20221214 (EN)**

Application

**EP 22176987 A 20220602**

Priority

FI 20215661 A 20210607

Abstract (en)

The object of the invention is a liquid-cooled grate (1a) in a solid-fuel burner (1), the grate comprising an input aperture (4) for fuel, a fan (5) and a circulation system for the cooling fluid, and which grate (1a) comprises one or more stationary grate levels formed by a stationary grate plate (2) and one or more movable grate levels formed by a movable grate plate (3), which grate levels are disposed to overlap one above another. Each liquid-cooled stationary grate plate (2) is adapted to cool the movable grate plate (3) below it and/or above it in which there is no liquid cooling.

IPC 8 full level

**F23H 3/02** (2006.01); **F23H 7/08** (2006.01); **F23H 7/14** (2006.01)

CPC (source: EP FI)

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Citation (applicant)

EP 1001218 B1 20011212 - DOIKOS INVESTMENTS LTD [GB]

Citation (search report)

- [XA] EP 1582812 A1 20051005 - VINCI ENVIRONNEMENT [FR]
- [A] WO 9518333 A1 19950706 - DOIKOS INVESTMENTS LTD [GB], et al
- [A] CN 106439868 A 20170222 - EVERBRIGHT ENV PROT TECH RES INST (SHENZHEN) CO LTD, et al
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