

Title (en)
GRATE FURNACE.

Title (de)
ROSTFEUERUNG.

Title (fr)
FOUR A GRILLE.

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Application
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Abstract (en)
[origin: WO9415148A1] A grate furnace for different kind of waste materials such as biomass, mud, and derived fuel, comprising a primary combustion chamber (2) and a secondary combustion chamber (3). A cooled grate (6) for fuel is arranged in the lower edge of the primary combustion chamber (2), and below the grate is provided air supply (5), arranged in a plurality of zones. Furthermore there are provided nozzles (15, 16) for the supply of air to the secondary chamber (3). The primary and the secondary combustion chambers (2, 3) are at least partly separated by a separation plate (10). The zones (5) are individually controllable and are supplied with air and recirculated flue gas, preferably with a high temperature. At least one of the nozzles (15) is adjustable and directed towards the primary air chamber (2), in order to ensure an annealing on the grate (6).

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Citation (search report)
See references of WO 9415148A1

Cited by
US9670413B2; US11028325B2; US10400175B2; US9809564B2; US10633606B2; US10640719B2; US9951278B2; US10563127B2; US10337726B2; US10948179B2; US10400176B2; US10982152B2; US9631145B2; US10544368B2; US9969942B2; US10041667B2; US10570340B2; US10794588B2; US10975315B2

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