

Title (en)
A STOKER FOR BURNING SOLID FUEL

Title (de)
BESCHICKUNGSVORRICHTUNG FÜR FESTE BRENNSTOFFE

Title (fr)
CHARGEUR POUR LE BRULAGE DE COMBUSTIBLE SOLIDE

Publication
EP 0731895 B1 20000308 (EN)

Application
EP 95905282 A 19941223

Priority
• SE 9401252 W 19941223
• SE 9304289 A 19931223

Abstract (en)
[origin: WO9517627A1] A stoker for burning solid fuel, comprising a grate (14) which is connected to a fan (21) for supply of combustion air, and feeding means (11, 12) for controlled feeding of fuel from a reservoir (15, 17) to the grate (14). The reservoir on one hand comprises a primary container (15) located at the feeding means (11, 12) containing a smaller volume of the fuel, and on the other a secondary container (17) which is connected to the primary container and is located at a distance from said primary container and having a main volume of the fuel. The primary container comprises detector means (20a) for controlling replenishment of fuel from the secondary container to the primary container. An air distribution chamber (20b) is located between the grate (14) and the primary container (15), which chamber is supplied with air via the fan (21) distributing air to the grate bowl (14) via a primary air pipe (22), and to the upper side of the grate via a secondary air outlet (23). An outer ring (26) is rotatably journaled upon the upper edge of the grate bowl, and is provided with gear segments to rotate the ring (26) in order to avoid accumulation of cinders at the opening of the grate.

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F23B 1/24

IPC 8 full level
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