Title (en)

Process for regulating the firing power in combustion plants

Title (de)

Verfahren zum Regeln der Feuerleistung von Verbrennungsanlagen

Title (fr)

Procédé de régulation de la puissance de combustion dans les installations de combustion

Publication

EP 0955499 A3 20000202 (DE)

Application

EP 99108274 A 19990427

Priority

DE 19820038 A 19980505

Abstract (en)

[origin: EP0955499A2] The method for controlling a burning systems fire power involves controlled raking and shredding of the material to be burnt. The method involves outputting the material to be burned at the start of a firing grill (1). On this grill, the material is shredded and raked and conveyed. At the end of the grill the resulting slag is taken away. The raking and conveying of the material is affected in dependence on how much the grill and burning bed allows the passage of combustion air through. The system has a measuring apparatus with a temperature probe (17), a pressure detector (19) and an air supply line with a flow meter (18). The measurement values are used to generate a control signal to affect the raking speed of the grill, the amount of fuel output, the amount of slag carried away and the amount of air supplied.

IPC 1-7

F23G 5/50

IPC 8 full level

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CPC (source: EP US)

F23G 5/50 (2013.01 - EP US); **F23N 1/022** (2013.01 - EP US); F23G 2207/101 (2013.01 - EP US); F23G 2207/102 (2013.01 - EP US); F23G 2207/113 (2013.01 - EP US); F23G 2207/20 (2013.01 - EP US); F23G 2207/30 (2013.01 - EP US); F23G 2900/55009 (2013.01 - EP US); F23N 2005/181 (2013.01 - EP US); F23N 2225/04 (2020.01 - EP US); F23N 2225/13 (2020.01 - EP US); F23N 2235/06 (2020.01 - EP US); F23N 2241/18 (2020.01 - EP US)

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DOCDB simple family (application)

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