

Title (en)

Method and Apparatus for Controlling the Heat Output of Incinerators

Title (de)

Verfahren und Vorrichtung zum Regeln der Feuerleistung von Verbrennungsanlagen

Title (fr)

Procédé et appareil pour réguler la puissance thermique d'un incinérateur

Publication

EP 1489355 B1 20090916 (DE)

Application

EP 04013325 A 20040605

Priority

DE 10327471 A 20030618

Abstract (en)

[origin: EP1489355A1] The technique is for the control of the firing power of a solid fuel burner assembly, where the fuel is delivered to the start of a firing grate (1) to be poked and advanced for the ashes to drop away at the end. The control actions are taken from measured values for the vapor volume (MD), at least one gas type in the emissions and the temperature of the fuel at the firing zone (3), using given and variable weightings. The controls are applied to the fuel feed speed (WB) from the charging station to the firing grate, the grate movement speed (WRN), the fuel poking speed (WSN), together with the primary air volume (LPn), the secondary air volume (LSn) between the firing and after-burner (4) zones, the tertiary air volume (LT) at the side walls, and the primary air temperature (TPL). The weighting matrix follows a normal value of 10 taken values.

IPC 8 full level

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CPC (source: EP)

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Cited by

EP3819543A1; EP1832810A1; CN111538355A; EP2385321A3; CN104254737A; CN107290966A; FR3103027A1; AT501847A1; AT501847B1; US8489241B2; WO2013104464A3; WO2013104407A3

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