

Publication

**EP 0576955 A3 19940323**

Application

**EP 93109887 A 19930621**

Priority

DE 4220149 A 19920619

Abstract (en)

[origin: EP0576955A2] In a method for controlling the combustion in a combustion chamber of a furnace, in which fuel is charged onto a longitudinally extending fire grate and transported essentially along the grate extent while spreading out to form a fuel bed which essentially covers the grate and the grate is acted upon along the grate extent by zones by part flows of a combustion-air flow, and in which at least the charging quantity of the fuel, the transport speed of the fuel bed and/or the quantity of the combustion air is controlled, depending upon at least one parameter which can be related to the combustion, if appropriate the combustion chamber temperature and/or the waste gas composition as measurement values, if appropriate according to fuzzy logic, it is envisaged, in order to reduce the risk of overheated harmful-substance emissions by acting on the combustion process, that the measurement values originating from at least two individual zones are detected and the part flows assigned to the individual zones are controlled individually according to fuzzy logic depending upon the distribution over the surface of the detected measurement values. <IMAGE>

IPC 1-7

**F23N 5/00**; **F23N 5/08**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [AD] ONO ET AL.: "Combustion control of refuse incineration plant by fuzzy logic", FUZZY SETS AND SYSTEMS, vol. 32, 1989, NORTH-HOLLAND, pages 193 - 206
- [A] PATENT ABSTRACTS OF JAPAN vol. 15, no. 160 (M - 1105) 22 April 1991 (1991-04-22)
- [A] PATENT ABSTRACTS OF JAPAN vol. 16, no. 356 (C - 969) 31 July 1992 (1992-07-31)
- [A] PATENT ABSTRACTS OF JAPAN vol. 15, no. 393 (M - 1165) 4 October 1991 (1991-10-04)

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