Title (en)

DEVICE FOR CONTROLLING THE SECONDARY AIR SUPPLY OF A BURNER, ESPECIALLY OF A HEATER

Publication

EP 0399994 A3 19910612 (DE)

Application

EP 90890151 A 19900516

Priority

AT 127389 A 19890526

Abstract (en)

[origin: EP0399994A2] For controlling the secondary air supply of a burner with a primary combustion section (2) and a downstream secondary combustion section (3) following the secondary air supply, the electrical conductivity of the flame or of the combustion gases is detected in each case via a measuring device (12 or 13) on the one hand in the region of the primary combustion section (2) and on the other hand in the region of the secondary combustion section (3), the measured guide value in the region of the secondary combustion section (3) being supplied to a control device (11) as the actual value for a control adjustment, the desired value of which is selected, depending upon the detected guide value in the region of the primary combustion section (2), from a stored correlation between these guide values and the desired values for the secondary combustion section (3).

IPC 1-7

F23N 1/02

IPC 8 full level

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CPC (source: EP)

F23N 1/022 (2013.01); **F23N 5/003** (2013.01); F23N 5/00 (2013.01); F23N 5/12 (2013.01); F23N 2233/06 (2020.01); F23N 2233/08 (2020.01); F23N 2237/16 (2020.01)

Citation (search report)

- [A] US 4457692 A 19840703 - ERDMAN JOHN L [US]
- [A] US 4459098 A 19840710 - TUREK DAVID G [US], et al
- [AT] CH 673699 A5 19900330 - TIBA KOCHHERD & APP AG

Cited by

DE102012023450B4; EP1013994A4; DE102012021799A1; US5957063A; DE102012023450A1

Designated contracting state (EPC)

AT BE CH DE DK FR IT LI SE

DOCDB simple family (publication)

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