

Title (en)
Device for combustion control

Title (de)
Einrichtung zur Verbrennungssteuerung

Title (fr)
Dispositif pour le controle de la combustion

Publication
EP 1108956 A3 20031119 (EN)

Application
EP 00123642 A 20001030

Priority
IT MI992580 A 19991213

Abstract (en)
[origin: EP1108956A2] A device for combustion control, especially for gas-fed boiler burners, comprises at least an optical sensor (10) constituted of one or more photodetectors, oriented in the direction of one or more defined zones of flame (12) of a boiler (14), whose electric signals supplied at the outlet are acquired by a card for a data elaboration system (16) based on neural networks and fuzzy logic, said system interacting with the electronic card (18) for the control of said boiler (14). <IMAGE>

IPC 1-7
F23N 5/08; **F23N 1/00**

IPC 8 full level
F23N 1/00 (2006.01); **F23N 5/08** (2006.01); **F23N 5/10** (2006.01)

CPC (source: EP)
F23N 1/002 (2013.01); **F23N 5/082** (2013.01); **F23N 5/10** (2013.01); **F23N 2223/52** (2020.01); **F23N 2225/10** (2020.01); **F23N 2225/13** (2020.01)

Citation (search report)

- [X] DE 19710206 A1 19980917 - SIEMENS AG [DE]
- [X] US 5249954 A 19931005 - ALLEN MARK G [US], et al
- [X] WO 9745677 A1 19971204 - AIR LIQUIDE [FR], et al
- [X] US 5797736 A 19980825 - MENGUEC M PINAR [US], et al
- [X] EP 0576955 A2 19940105 - STEINMUELLER GMBH L & C [DE]
- [A] DE 4035324 A1 19910516 - SMITHS INDUSTRIES PLC [GB]
- [A] EP 0616200 A1 19940921 - HITACHI LTD [JP]

Cited by
US2011008737A1; CN110057820A; EP2446236A4; WO2010151386A1; US8456634B2

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