

Title (en)

DEVICE FOR REGULATING THE FUEL AND OXIDANT GAS SUPPLY FOR A BURNER OF AN ATOMIC ABSORPTION SPECTROMETER

Publication

**EP 0212567 A3 19890329 (DE)**

Application

**EP 86111215 A 19860813**

Priority

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- DE 3407552 A 19840301

Abstract (en)

[origin: US4640677A] The present invention is directed to a gas control device for controlling the fuel gas and the oxidizing agent supplied to a burner in an atomic absorption spectrometer, which includes a first restrictor and a first pressure regulator for the fuel gas line, and a second restrictor and a second pressure regulator of the oxidizing agent line, the regulators being connected upstream of the restrictors, respectively, and servomotors for reproducibly adjusting the pressure settings of the pressure regulators, respectively.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [AD] DE 3005784 A1 19800918 - PERKIN ELMER CORP
- [AD] DE 2833533 A1 19790215 - GRANBOM BO
- [AD] DE 2552890 A1 19770526 - JERNSS HANS PETER, et al
- [A] US 4370060 A 19830125 - MURASE ISAO [JP], et al
- [A] US 4314764 A 19820209 - LIDDELL PETER R, et al

Cited by

CN1116629C

Designated contracting state (EPC)

CH DE FR GB IT LI NL

DOCDB simple family (publication)

**US 4640677 A 19870203**; AU 586699 B2 19890720; AU 6150486 A 19870219; DE 3407552 A1 19850905; DE 3407552 C2 19871022; DE 3529547 A1 19870226; DE 3529547 C2 19871217; EP 0212567 A2 19870304; EP 0212567 A3 19890329; EP 0212567 B1 19900411; GB 2155205 A 19850918; GB 2155205 B 19871216; GB 8501762 D0 19850227; JP H0660872 B2 19940810; JP H0750028 B2 19950531; JP S60205237 A 19851016; JP S6298238 A 19870507; US 4681530 A 19870721

DOCDB simple family (application)

**US 70483085 A 19850225**; AU 6150486 A 19860815; DE 3407552 A 19840301; DE 3529547 A 19850817; EP 86111215 A 19860813; GB 8501762 A 19850124; JP 19178786 A 19860818; JP 3897785 A 19850301; US 86377086 A 19860516