

Title (en)
Control device for a burner

Title (de)
Regeleinrichtung für einen Brenner

Title (fr)
Dispositif de commande pour un brûleur

Publication
EP 1154202 B2 20091209 (DE)

Application
EP 01110418 A 20010427

Priority
• DE 10023265 A 20000512
• DE 10025769 A 20000526

Abstract (en)
[origin: EP1154202A2] The regulating device (15) for a burner has an ionization electrode (16) in the flame area of the burner influencing the fuel and air feed amounts dependent upon a positioning signal (18). Connected beyond the ionization electrode is an ionization evaluator (14) which produces an ionization signal (13). In a control unit (23), in which characteristic data is stored for determining a first condition of the positioning member (17), is produced time wise a first control signal (24). A regulator (26) produces the positioning signal at least time wise dependent upon the ionization signal and likewise dependent upon the first control signal (24).

IPC 8 full level
F23N 1/02 (2006.01); **F23N 5/12** (2006.01)

CPC (source: EP KR US)
F23N 1/022 (2013.01 - EP US); **F23N 5/12** (2013.01 - KR); **F23N 5/123** (2013.01 - EP US); **F23N 2223/04** (2020.01 - EP US); **F23N 2223/08** (2020.01 - EP US); **F23N 2223/36** (2020.01 - EP US); **F23N 2223/44** (2020.01 - EP US); **F23N 2225/30** (2020.01 - EP US); **F23N 2227/20** (2020.01 - EP US); **F23N 2233/08** (2020.01 - EP US); **F23N 2235/16** (2020.01 - EP US)

Citation (opposition)
Opponent :
• DE 19831648 A1 20000127 - STIEBEL ELTRON GMBH & CO KG [DE]
• DE 19632983 A1 19980219 - STIEBEL ELTRON GMBH & CO KG [DE]

Cited by
DE102019101329A1; DE102021214839A1; EP4435322A1; EP4060233A1; EP4060232A1; EP4397908A1; EP1396681A1; DE102011111453A1; EP2871473A1; EP3290800A1; WO2017060135A1; EP3663648A1; EP4141322A1; DE102021121027A1; EP4283195A1; EP4283196A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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EP 1154202 A2 20011114; **EP 1154202 A3 20030514**; **EP 1154202 B1 20040616**; **EP 1154202 B2 20091209**; AT E269515 T1 20040715; DE 10025769 A1 20011115; DE 50102575 D1 20040722; DK 1154202 T3 20041025; DK 1154202 T4 20100426; JP 2001355841 A 20011226; JP 4897150 B2 20120314; KR 100887418 B1 20090306; KR 20010104275 A 20011124; US 2001051107 A1 20011213; US 6537059 B2 20030325

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