

Title (en)
CONTROL DEVICE FOR GAS BURNERS

Publication
EP 0390964 A3 19901227 (DE)

Application
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Priority
DE 3911268 A 19890407

Abstract (en)
[origin: EP0390964A2] In a control device for regulation in the same direction of gas supply and combustion air supply to a burner (11), the heat-requirement regulator (6) controls the speed of a blower (8, 9) providing the combustion air. A differential pressure signal corresponding to the quantity of combustion air provided is supplied to a control module (19) designed as an amplifying servo-pressure regulator, which provides the control pressure for a gas-regulating valve (15) designed as a servo-valve. <IMAGE>

IPC 1-7
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IPC 8 full level
F23N 1/02 (2006.01); **F23N 1/10** (2006.01); **F23N 5/00** (2006.01); **F23N 5/18** (2006.01)

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Citation (search report)
• [A] EP 0015480 A2 19800917 - RUHRGAS AG [DE]
• [A] US 3741710 A 19730626 - NELSON L
• [A] EP 0275568 A1 19880727 - FURIGAS ASSEN BV [NL]
• [A] US 3101897 A 19630827 - VAUGHN CHARLES O
• [A] FR 2327396 A1 19770506 - FOERENADE FABRIKSVERKEN [SE], et al
• [AD] DE 3147857 A1 19830616 - HONEYWELL BV [NL]

Cited by
WO0210648A1; CN105509298A; CN100436943C; DE19922226C1; GB2284473A; GB2284473B; EP0644377A1; US5520533A; EP3957910A1; DE10037234A1; DE19821853C1; EP0697563A1; US2014124587A1; US9528712B2; WO9963272A1; WO0070267A1; EP0833106A2; EP0957314A2; WO2022183429A1

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