

Title (en)

Heating apparatus with a flow quantity control device for the flow of combustion air.

Title (de)

Heizgerät mit einer Vorrichtung zur Steuerung des Durchsatzes der Verbrennungsluft.

Title (fr)

Appareil de chauffage avec un dispositif de commande de la quantité de l'air de combustion.

Publication

EP 0424358 B1 19940601 (DE)

Application

EP 90890286 A 19901022

Priority

AT 241089 A 19891020

Abstract (en)

[origin: EP0424358A2] For controlling the flow quantity of combustion air to a burner (1) with fan, of a heating device, for example a water heater, which burner is fed with a fuel/air mixture, there is provided in the combustion-air guide (10) a valve (13, 14) which is automatic in stoppages, for example closing under the influence of a return spring (17) and only opening in the event of heat requirement. The valve body (14) of this valve (13, 14) can, inside a duct (10) serving for combustion air guidance and arranged above the combustion chamber (2), the heat exchanger (3) and the waste gas hood (6) of the burner (1) with fan, lie coaxially opposite a recess (13) which is provided in the wall of this duct (10) and serves as valve seat and via which the combustion air flows to the burner (1) with fan. <IMAGE>

IPC 1-7

F23L 3/00; **F23L 13/00**; **F23N 3/00**

IPC 8 full level

F23C 7/00 (2006.01); **F23N 3/00** (2006.01)

CPC (source: EP)

F23C 7/008 (2013.01); **F23N 3/00** (2013.01); **F23N 2235/06** (2020.01)

Cited by

AT407434B; EP1363077A3; US10247416B2; WO0011411A3; EP0429034B1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0424358 A2 19910424; **EP 0424358 A3 19910605**; **EP 0424358 B1 19940601**; AT 393890 B 19911227; AT A241089 A 19910615; AT E106527 T1 19940615; DE 59005920 D1 19940707; DE 9014470 U1 19901220

DOCDB simple family (application)

EP 90890286 A 19901022; AT 241089 A 19891020; AT 90890286 T 19901022; DE 59005920 T 19901022; DE 9014470 U 19901016