

Title (en)

Control device for the movement of a fresh-air damper in a heating boiler.

Title (de)

Steuerung für die Bewegung einer Frischluftklappe bei Heizkesseln.

Title (fr)

Commande pour le mouvement d'un clapet d'air frais dans une chaudière.

Publication

**EP 0076911 A1 19830420 (DE)**

Application

**EP 82107619 A 19820820**

Priority

- AT 376281 A 19810831
- DE 3201900 A 19820122
- DE 3224629 A 19820701

Abstract (en)

1. Control device for the movement of a fresh-air damper in a heating boiler, said damper being adjustable in response to the temperature inside the heating boiler by means of an actuating member of a temperature sensor designed as a heating controller and adapted to be moved into closing position when the temperature in the heating boiler drops below a predeterminable value, characterized in that a swivel arm (7, 9, 111) is connected to said fresh-air damper (3, 102), the position of said swivel arm with reference to said actuating member (5, 108) of said heating controller (1, 106) being lockable so that said swivel arm (7, 9, 111) follows the movement of said actuating member (5, 108) depending on the temperature inside the heating boiler, and that, in addition, a device (11, 117) for releasing the locking device is provided to disengage the coupling between said actuating member (5, 108) and said swivel arm (7, 9, 111) upon reaching the predeterminable temperature in the heating boiler, so that, in response to a swivelling movement of said swivel arm (7, 9, 111) with reference to said actuating member (5, 108), said fresh-air damper (3, 102) is moved into closing position, preferably on account of its own weight.

Abstract (de)

Bei einer Steuerung für die Bewegung einer Frischluftklappe (3), die mit Hilfe eines als Feuerungsregler (1) ausgebildeten Temperaturfühlers in Abhängigkeit von der Temperatur im inneren eines Heizkessels (4) verstellbar ist, wird bei Absinken der Temperatur im Heizkessel (4) unter einen vorbestimmbaren Wert die Verbindung zwischen Frischluftklappe (3) und Feuerungsregler (1) entkoppelt. Die Frischluftklappe (3) bewegt sich dann relativ zum Feuerungsregler (1) in Verschußstellung.

IPC 1-7

**F23N 3/04**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- DD 143946 A1 19800917 - KRAMPE PETER
- DD 141561 A1 19800507 - KRAMPE PETER
- DD 148813 A1 19810610 - BECHER UDO
- CH 204489 A 19390515 - MUEHLETHALER WALDVOGEL EWALD [CH]

Cited by

US7373937B2; DE3513881A1; WO8606152A1

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