

Title (en)

A device for controlling the supply of combustion air to a combustion chamber

Title (de)

Vorrichtung zur Steuerung der Zufuhr von Verbrennungsluft in eine Brennkammer

Title (fr)

Dispositif permettant de commander l'alimentation en air de combustion dans une chambre de combustion

Publication

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Application

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Priority

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Abstract (en)

The invention relates to a device for controlling the supply of combustion air to a combustion chamber for solid fuel, said device comprising a housing (2) comprising a chamber (3) and having a first end (E1) and a second end E2), a piston arrangement (6) being movable arranged inside said chamber (3) between a first position (P1) and a second position (P2), said piston arrangement (6) comprising gasket means (7), adjustable valve means (4) for providing a fluid communication between said chamber (3) and the exterior (5) of said chamber (3) and being configured for providing a flow of a gas to said chamber (3), and elastic force inducing means (9), wherein said piston arrangement (6) is configured for being moved towards the first end (E1) of said housing (2) to said first position (P1), thereby forcing gas inside said chamber (6) out of the chamber (3) through an outlet (19), wherein said elastic force inducing means (9) are connected to said piston arrangement (6) and are configured for forcing said piston arrangement (6) from said first position (P1) towards said second position (P2), wherein said adjustable valve means (4) are configured for providing gas to said chamber (3) during said movement of the piston arrangement (6) from said first position (P1) towards the second position (P2), and wherein said elastic force inducing means (2) are arranged exterior to said chamber (6). The invention moreover relates to a burning stove or fireplace (59) comprising such a device.

IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

WO 2008046425 A2 20080424 - ADURO AS [DK], et al

Citation (search report)

- [AD] WO 2008046425 A2 20080424 - ADURO AS [DK], et al
- [A] WO 2004081449 A1 20040923 - HON TECH INC [US]
- [A] DE 2935299 B1 19801106 - BOSCH SIEMENS HAUSGERAETE

Cited by

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