

Title (en)
Premixing combustion device

Title (de)
Vormischende Verbrennungseinrichtung

Title (fr)
Dispositif de combustion à prémélange

Publication
EP 2413031 B1 20140507 (DE)

Application
EP 10170814 A 20100726

Priority
EP 10170814 A 20100726

Abstract (en)
[origin: EP2413031A1] The device (1) has a blower (2) which delivers a combustion mixture from an outlet opening (8) of the blower to a combustion zone through a burner cylinder (9). A mixing device (3) is arranged upstream of the blower and prepares the combustion mixture. A through flow reduction device (10) is arranged between the outlet opening and the burner cylinder. A through flow reduction element (13) is adjusted between a position at which the outlet opening is opened and a position at which the size of the outlet opening of the blower is reduced. An independent claim is included for method for starting premixing combustion device.

IPC 8 full level
F23D 14/34 (2006.01); **F23D 14/60** (2006.01); **F23L 3/00** (2006.01); **F23N 1/02** (2006.01)

CPC (source: EP US)
F23D 14/34 (2013.01 - EP US); **F23D 14/60** (2013.01 - EP US); **F23L 3/00** (2013.01 - EP US); **F23N 1/025** (2013.01 - EP US); **F23C 2900/99006** (2013.01 - EP US); **F23N 2227/00** (2020.01 - US); **F23N 2227/02** (2020.01 - EP US); **F23N 2235/06** (2020.01 - EP US)

Citation (examination)

- EP 1083386 A1 20010314 - SCANFERLA GIORGIO [IT]
- GB 2261063 A 19930505 - VAILLANT JOH GMBH & CO [DE]

Cited by
EP3232135A1; DE102017216966A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
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EP 10170814 A 20100726; CA 2747176 A 20110722; CN 201110214537 A 20110726; ES 10170814 T 20100726; JP 2011161644 A 20110725; US 201113189930 A 20110725