

Title (en)

Combustible gas-air mixing device

Title (de)

Brenngas-Luft-Mischvorrichtung

Title (fr)

Dispositif de mélange air-gaz combustible

Publication

EP 2623863 B1 20141119 (DE)

Application

EP 13153084 A 20130129

Priority

- DE 102012001724 A 20120131
- DE 102012003501 A 20120222

Abstract (en)

[origin: EP2623863A2] The mixing device has a mixture nozzle (1) having an air duct (2) through which air is passed. A throttle portion (3) and the air duct are formed aerodynamically and cleanly such that continuous cross-sectional contraction portion (4) is formed in a cross-section between the air duct and the throttle portion. The throttle portion and the air duct are displaced relative to each other in air flow direction such that the cross section area in the region of contraction portion is extended continuously with the increasing reversible air flow rate, if combustible gas supply (5) is opened.

IPC 8 full level

F23D 14/64 (2006.01); **F23D 14/60** (2006.01); **F23N 1/02** (2006.01)

CPC (source: EP)

F23D 14/60 (2013.01); **F23D 14/64** (2013.01); **F23D 2203/007** (2013.01); **F23D 2900/14481** (2013.01)

Cited by

EP3662989A4; CN111207393A; EP3460324A1; CN113776071A

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 RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2623863 A2 20130807; **EP 2623863 A3 20130821**; **EP 2623863 B1 20141119**; DE 102012003501 A1 20130801; DK 2623863 T3 20150302; ES 2528968 T3 20150213

DOCDB simple family (application)

EP 13153084 A 20130129; DE 102012003501 A 20120222; DK 13153084 T 20130129; ES 13153084 T 20130129