

Title (en)

Air-gas mixer device, particularly for premix burner

Title (de)

Gas-Luftmischer, insbesondere für Vormischbrenner

Title (fr)

Mélangeur air/gaz, en particulier pour brûleur à prémélange

Publication

**EP 2278224 A3 20130227 (EN)**

Application

**EP 10169982 A 20100719**

Priority

IT PD20090215 A 20090722

Abstract (en)

[origin: EP2278224A2] An air-gas mixer device, particularly for the premix burner equipment of condensing boilers, comprising flow guide means for guiding an air-gas mixture into the intake section (3a) of a centrifugal fan (2) unit with a predetermined axis of rotation (X), said intake section being coaxial with said axis of rotation, said guide means including a Venturi effect conduit structure (5) with contiguous converging and diverging portions delimiting a constricted section to which the gas flow is fed for mixing with the air flow fed through the converging conduit portion, wherein said guide conduit structure (5) is axially symmetrically developed with a main axis of symmetry coinciding with said axis of rotation (X) and is defined by the rotation about said axis of a flat section with respective contiguous converging and diverging portions (5a, 5b), which is positioned radially and is spaced apart from the axis and on whose plane said axis of rotation (X) lies.

IPC 8 full level

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CPC (source: EP)

**F04D 29/4213** (2013.01); **F23D 14/36** (2013.01); **F23D 14/64** (2013.01); **F23L 5/02** (2013.01)

Citation (search report)

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