

Title (en)
An air-gas mixer device for gas burners with pre-mixing

Title (de)
Luft-Gas-Mischvorrichtung für Brenner mit Vormischung

Title (fr)
Dispositif de mélange air-gaz pour brûleurs à gaz avec prémélange

Publication
EP 2597370 A1 20130529 (EN)

Application
EP 12193782 A 20121122

Priority
IT PD20110373 A 20111124

Abstract (en)
This is a description of a mixing device for combustible gas burners comprising a fan unit (2) with bladed impeller (3) driven around an axis of rotation (X) and having an axial intake section (5) and a radially opposed delivery section (6), a Venturi tube (11) coaxial with the axis of rotation (X), having a first portion (12) converging into a minimum cross section (13) and a second portion (14) diverging from the minimum cross section (13) and extending the first portion (12), the diverging portion (14) developing as far as the level of the intake section (5), the portions (12, 14) being reciprocally separated at the level of the minimum cross section (13), the first portion (12) having a respective first section at the level of the end profile having dimensions smaller than the corresponding dimensions of a second section associated to the second portion (14) at the level of the minimum cross section (13) of the Venturi.

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
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US10161627B2

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