

Title (en)

AIR/GAS MIXING APPARATUS FOR PREMIX BURNERS AND PREMIX BURNER PROVIDED WITH SUCH AN APPARATUS

Title (de)

LUFT/GASVERMISCHUNGSVORRICHTUNG FÜR VORMISCHBRENNER SOWIE VORMISCHBRENNER MIT EINER SOLCHEN VORRICHTUNG

Title (fr)

APPAREIL DE MÉLANGE AIR/GAZ POUR BRÛLEURS À PRÉMÉLANGE ET BRÛLEUR À PRÉMÉLANGE DOTÉ D'UN TEL APPAREIL

Publication

**EP 3135997 B1 20190403 (EN)**

Application

**EP 16186697 A 20160831**

Priority

IT UB20153299 A 20150831

Abstract (en)

[origin: EP3135997A1] Air/gas mixing apparatus (10) for premix burners. The apparatus (10) comprises: - a device (12A) for feeding combustion air to a mixing chamber (12); and - a device (14) for the intake and distribution of a fuel gas to the mixing chamber (12) so as to achieve the desired air/gas mixture. The apparatus (10) is characterised by the fact that the device (14) comprises: (a) -a first vertical portion (14c); (b) - a second horizontal portion (14D) suitable to feed into the device (14) a first quantity of fuel gas; and (c) - a third horizontal portion (14S), aligned with the second horizontal portion (14D) suitable to feed into the device (14) a second quantity of fuel gas so as to form a second air / gas mixture suitable to be combusted with the production of a limited quantity of NOx.

IPC 8 full level

**B01F 5/04** (2006.01); **F23D 14/34** (2006.01); **F23D 14/62** (2006.01)

CPC (source: EP)

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Cited by

CN115013973A; CN114811945A; CN115235117A; US11859867B2

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