

Title (en)
Burner device with gas premix

Title (de)
Brennervorrichtung mit Gasvormischung

Title (fr)
DISPOSITIF DE BRULEUR A PRE MELANGE GAZ

Publication
EP 2921777 A1 20150923 (FR)

Application
EP 15159682 A 20150318

Priority
• FR 1452252 A 20140319
• FR 1456766 A 20140715

Abstract (en)
[origin: US2016069563A1] A device for burning premixed gas, including a ventilator (1) for drawing in the air/gas mixture, a gas-supply valve (2), a gas injector (3), and a venturi (4) interposed between said injector (3) and the ventilator (1), so as to create a negative pressure on the gas valve (2). The venturi (4) includes a movable part (40) capable of moving under the action of said ventilator (1) and a restoring spring (43), the displacement of said movable part being capable modifying the cross-sections of the passages (41, 42) for gas (G) and air (A).

Abstract (fr)
Dispositif de bruleur à pré mélange gaz, comportant un ventilateur (1) d'aspiration du mélange air/gaz, une vanne d'alimentation en gaz (2), un injecteur de gaz (3), et un de venturi (4) intercalé entre le injecteur (3) et le ventilateur (1) en sorte de créer une dépression sur la vanne de gaz (2). Le venturi (4) comporte une pièce mobile (40), apte à se déplacer sous l'action du ventilateur (1) et d'un ressort de rappel (43), le déplacement de la pièce mobile étant apte à modifier les sections des passages (41, 42) de gaz (G) et d'air (A).

IPC 8 full level
F23D 14/02 (2006.01); **F23D 14/34** (2006.01); **F23D 14/36** (2006.01); **F23D 14/62** (2006.01); **F23D 14/64** (2006.01); **F23N 1/02** (2006.01); **F23N 5/18** (2006.01)

CPC (source: EP US)
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Citation (search report)
• [A] US 2011217664 A1 20110908 - BARDUCA LORIS [IT], et al
• [A] GB 1499213 A 19780125 - TRAPP C

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

Designated extension state (EPC)
BA ME

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EP 2921777 A1 20150923; **EP 2921777 B1 20161012**; FR 3018900 A1 20150925; FR 3018900 B1 20160415; US 2016069563 A1 20160310

DOCDB simple family (application)
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