

Title (en)

Fuel gas admission device for a premix burner

Title (de)

Brenngas-Einleitungsvorrichtung für einen Gas-Vormischbrenner

Title (fr)

Dispositif d'admission du gaz combustible pour un brûleur à prémélange

Publication

EP 0896192 A3 19991110 (DE)

Application

EP 98112692 A 19980709

Priority

DE 19733767 A 19970805

Abstract (en)

[origin: EP0896192A2] The assembly (10) to feed fuel gas (5) in an air stream, especially for a burner using mixed gas and air for combustion, has a venturi tube (11) with an air flow (6) through it along the tube axis (14). At least one opening (12) is in the venturi tube (11) as feed for the fuel gas (5). The flow of air (6) and fuel gas (5) is a mixture (4) in a spiral path (15) round the venturi tube axis (14).

IPC 1-7

F23D 14/64; **F23L 5/02**

IPC 8 full level

F23D 14/62 (2006.01); **F23D 14/64** (2006.01); **F23L 5/02** (2006.01)

CPC (source: EP)

F23D 14/62 (2013.01); **F23D 14/64** (2013.01); **F23L 5/02** (2013.01)

Citation (search report)

- [XY] GB 1469097 A 19770330 - DOMESTIC APPLIANCES LTD T
- [X] WO 9409326 A1 19940428 - MIKUSEK HYNEK [CZ]
- [X] US 4419074 A 19831206 - SCHUETZ MARK A [US]
- [Y] US 1874970 A 19320830 - HALL ERNEST A
- [Y] GB 846237 A 19600831 - NASSHEUER JEAN, et al
- [Y] GB 1499213 A 19780125 - TRAPP C
- [XP] DE 29617621 U1 19970828 - HONEYWELL BV [NL]

Cited by

EP1912021A1; DE102005039117B4; EP1921377A3; EP3415817A1; EP2843308A4; US7018435B1; US10503181B2; US7108838B2; US9835265B2; US9657946B2; WO2012006166A3; WO0118451A1; WO02077526A1; WO2012123207A3; EP3980689A4; US9683674B2; US10215291B2; US10697815B2; WO0229319A1; US9851103B2; US9970654B2; US10851993B2; US9645584B2; US10203049B2; US10422531B2; US11421875B2; US9995486B2; US10024439B2; US10697632B2; US9846440B2; US10564062B2; US9841122B2; US11073281B2; USD960321S

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