

Title (en)
Gas burner feeding device

Title (de)
Zufuhrvorrichtung eines Gasbrenners

Title (fr)
Dispositif d'alimentation d'un brûleur à gaz

Publication
EP 0737838 A1 19961016 (FR)

Application
EP 96400752 A 19960405

Priority
FR 9504262 A 19950410

Abstract (en)
The feeder consists of a main gas feed circuit (8), an oxidant gas feeder (10), a fuel gas enrichment line, a mixing chamber (16) for the fuel and oxidant gases, connected to the burner (14a,b) before the fuel and oxidant feeds, and a control valve (4) which allows the fuel gas to pass along the enrichment line during the burner ignition stage only. The gas enrichment line (6) branches from the main fuel gas feed line (8) in a control box (10) which regulates the delivery of the fuel gas to the main (8) and enrichment (6) lines, each of which is divided into two or more branches (8a,b,6a,b) before they reach the mixing chamber. The mixing chamber is in the form of two curved ducts connected by a crosspiece (17) to which the branches lines are connected at right angles to one another.

Abstract (fr)
L'invention concerne un dispositif d'alimentation pour brûleurs à gaz (14) et vise plus particulièrement à assurer un bon allumage, tout en conservant un fonctionnement normal optimal. Dans le cas de l'invention, un conduit d'enrichissement (6) du mélange en gaz combustible est branché en dérivation sur un conduit d'alimentation en gaz combustible (8) et se raccorde en aval à une chambre de mélange (16). Une vanne (4) commande le passage du gaz combustible dans le conduit d'enrichissement uniquement pendant une période d'allumage du brûleur. Ce dispositif vise à permettre un allumage rapide et fiable du gaz combustible, ainsi qu'un bon rendement en fonctionnement hors période d'allumage <IMAGE>

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Citation (search report)
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• [Y] US 4534728 A 19850813 - VOGELS JOSEPH A [US] & EP 0157375 B1 19891213
• [A] US 4297987 A 19811103 - BUSHEE LAWRENCE C
• [A] US 4224019 A 19800923 - DILMORE JAMES A
• [A] PATENT ABSTRACTS OF JAPAN vol. 14, no. 567 (M - 1059) 17 December 1990 (1990-12-17)

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