

Title (en)
Burner assembly and burner head for burning fuel/comburent gaseous mixtures

Title (de)
Brennerbaueinheit und Brennerkopf zur Gasmischungsverbrennung

Title (fr)
Assemblage de brûleurs et tête associée pour la combustion de mélanges gazeux

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Abstract (en)
[origin: EP1083386A1] A burner assembly (1, 101) of the so-called complete premixing type comprises a supporting body (2) provided with means for delivering a fuel/comburent gaseous mixture to a burner head (3) provided with at least one gas-permeable wall (4, 104a,b) for delivering the gaseous mixture. In the burner head (3), a plurality of delivery sections (3a, 3b) are defined, which may be independently fed with respect to each other and which are separated in a fluid-tight manner upstream and at the gas-permeable wall (4, 104a,b). In addition to providing a high efficiency of combustion and achieving a reduction of noise, environmental impact, size and cost, the burner assembly (1, 101) of the invention achieves - the nominal power being the same - a significantly greater capacity of modulation with respect to that of a conventional aerated, blown or pre-mixed burner assembly. <IMAGE>

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