

Title (en)

Method of fuel injection in a burner

Title (de)

Verfahren zur Brennstoffeinspritzung in einem Brenner

Title (fr)

Procédé d'injection de combustible dans un brûleur

Publication

**EP 1205713 B1 20070711 (DE)**

Application

**EP 01125598 A 20011026**

Priority

DE 10055408 A 20001109

Abstract (en)

[origin: EP1205713A1] The method for fuel injection in a burner involves the burner (1) having an inner chamber enclosed by at least one shell (8,9) and fuel injected by nozzles (6) in a combustion air current (23) flowing into the inner chamber. The fuel/air mixture within a delay time flows to a flame front (3) in a combustion chamber (2), where it ignites. The formation of thermo-acoustic, combustion-driven vibrations is possible and the fuel is so injected by the nozzles distributed over the burner length, that the delay time between fuel injection and its combustion at the flame front corresponds to a distribution which reduces vibrations and varies systematically over the burner length.

IPC 8 full level

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CPC (source: EP US)

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**EP 1205713 A1 20020515**; **EP 1205713 B1 20070711**; DE 10055408 A1 20020523; DE 50112704 D1 20070823; US 2002177093 A1 20021128; US 6705857 B2 20040316

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