

Title (en)

Fuel atomisation burner and combustion process carried out with such a burner

Title (de)

Brennstoffzerstäubungsbrenner und Verbrennungsverfahren durchgeführt mit diesem Brenner

Title (fr)

Brûleur à pulvérisation de combustible et procédé de combustion mettant en oeuvre un tel brûleur

Publication

EP 0921349 B1 20040218 (FR)

Application

EP 98403022 A 19981203

Priority

- FR 9715403 A 19971205
- FR 9801593 A 19980211

Abstract (en)

[origin: EP0921349A1] The combustion process is for melting glass. Feeding of a fuel is assured by a burner equipped with at least one injector (1). Each injector is made up of a first conduit (2) fed with liquid fuel presenting at least one internal wall (25) and a second conduit (3) fed with an atomized fluid arranged concentrically with respect to the conduit fed with liquid fuel. Immediately before the injection of the liquid fuel into its feed conduit it is put into the form of a hollow jet essentially adopted to that of the internal wall. The burner used in this combustion process and its use for reducing NOx emissions are also claimed.

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F23D 11/10; **F23C 5/06**

IPC 8 full level

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CPC (source: EP US)

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Cited by

FR2834774A1; FR2914397A1; EA015872B1; EA016315B1; FR2915989A1; WO2012076820A1; US9169148B2; WO2008132388A1; WO2008148994A3

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