

Title (en)  
INJECTOR INJECTING A HOLLOW JET OF LIQUID FUEL

Title (de)  
INJEKTOR ZUR EINSPRITZUNG EINES HOHLEN FLÜSSIGBRENNSTOFFSTRAHLS

Title (fr)  
INJECTEUR A JET CREUX DE COMBUSTIBLE LIQUIDE

Publication  
**EP 2126470 A1 20091202 (FR)**

Application  
**EP 08775732 A 20080321**

Priority  
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• FR 0754028 A 20070326

Abstract (en)  
[origin: WO2008132388A1] The invention relates to an injector for spraying liquid fuel, comprising a liquid fuel supply duct and an atomization-fluid supply duct, said liquid fuel supply duct comprising an element pierced with oblique passages to bring said fuel into the form of a swirling hollow jet before it is ejected from said ejector, the generatrix of each of said passages making an angle of less than 10° with the direction in which the liquid fuel is supplied. The injector is intended to form part of a burner, particularly to be fitted to glass-making furnaces. The injector allows an appreciable reduction in NOx.

IPC 8 full level  
**F23D 11/00** (2006.01)

CPC (source: EP US)  
**F23D 11/107** (2013.01 - EP US); **F23D 2900/11101** (2013.01 - EP US)

Citation (search report)  
See references of WO 2008132388A1

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