

Title (en)  
Fuel nozzle insert

Title (de)  
Brennstoffeinsatz

Title (fr)  
Insert d'une buse à combustible

Publication  
**EP 2310741 A2 20110420 (DE)**

Application  
**EP 09779477 A 20090514**

Priority  
• EP 2009055827 W 20090514  
• EP 08014308 A 20080811  
• EP 09779477 A 20090514

Abstract (en)  
[origin: EP2154428A1] The nozzle has a nozzle insert (1) arranged at an outer circumference of a retaining unit (4), where the insert and the unit are provided for forming a flow path (5) and a twisting chamber (10). The nozzle insert has an inlet opening (7a) and an end (7b), where the opening and the end are bent in a circular-shape for forming a discontinuous circuit, such that a fuel flowing into the chamber runs along a radial inward spiral movement (12). The depth of the retaining unit is reduced at the inlet opening of the insert, such that a flow speed of the fuel is changed. An independent claim is also included for a burner comprising a cylinder-shaped housing with a lance.

IPC 8 full level  
**F23D 11/38** (2006.01)

CPC (source: EP US)  
**F23D 11/383** (2013.01 - EP US)

Citation (search report)  
See references of WO 2010018013A2

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DOCDB simple family (publication)  
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