

Title (en)

Device for injecting fuel into a combustion chamber

Title (de)

Vorrichtung zum Einspritzen von Brennstoff in einen Brennraum

Title (fr)

Dispositif d'injection de carburant dans un espace de combustion

Publication

EP 2650527 B1 20170614 (DE)

Application

EP 13003438 A 20110331

Priority

- DE 102010021873 A 20100528
- EP 11002655 A 20110331

Abstract (en)

[origin: EP2390491A1] The device has multiple jet nozzles (8) arranged parallel to each other and provided with two jet channels (6, 7) for production of fuel jets that are partly collided one on the other in a percussion zone (S). The jet nozzles form a fan nozzle for production of a fan beam (9) by the jet channels, where expansion of the fan beam in a fan level is larger than in a transverse direction to the fan level. A closure element is provided for closing a fuel supply. The jet channels are distributed on a peripheral surface of a nozzle body and formed as circular channels.

IPC 8 full level

F02M 61/18 (2006.01)

CPC (source: EP)

F02M 61/1813 (2013.01); **F02M 61/1846** (2013.01)

Cited by

US2019301417A1; US10961966B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2390491 A1 201111130; EP 2390491 B1 20131009; DE 102011015755 A1 20111201; DE 202011103592 U1 20120228; EP 2650527 A1 20131016; EP 2650527 B1 20170614; ES 2440966 T3 20140131; ES 2639849 T3 20171030; HU E034473 T2 20180228

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EP 11002655 A 20110331; DE 102011015755 A 20110331; DE 202011103592 U 20110331; EP 13003438 A 20110331; ES 11002655 T 20110331; ES 13003438 T 20110331; HU E13003438 A 20110331