

Title (en)  
Multi-point injector for turbomachine

Title (de)  
Mehrpunkt-Einspritzer für Turbotriebwerk

Title (fr)  
Injecteur multipoint pour turbomachine

Publication  
**EP 2026002 B1 20160720 (FR)**

Application  
**EP 08161242 A 20080728**

Priority  
FR 0757025 A 20070810

Abstract (en)  
[origin: EP2026002A1] The injector has two shells (34, 35) with bodies encased relative to each other such that internal openings and external diameters of the bodies mutually and partially overlap by defining a hollow volume. The volume comprises three concentric baffles (360-362) that are continuous and communicated with distinct controlled circulation channels. The baffles (361, 362) are opened into a fuel intake chamber (37) placed in a zone for supply of fuel and homogenous cooling of the injector, where the zone is diametrically opposite to the channels and communicated with a metering jet. An independent claim is also included for a method for manufacturing a multipoint type fuel injector.

IPC 8 full level  
**F23D 11/36** (2006.01); **F23R 3/28** (2006.01); **F23R 3/34** (2006.01)

CPC (source: EP US)  
**F23D 11/36** (2013.01 - EP US); **F23R 3/283** (2013.01 - EP US); **F23R 3/343** (2013.01 - EP US); **F23D 2900/00016** (2013.01 - EP US); **Y10T 29/49412** (2015.01 - EP US); **Y10T 29/49419** (2015.01 - EP US); **Y10T 29/49446** (2015.01 - EP US)

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WO2011045486A1; WO2011045503A1; FR2958015A1; FR2952699A1; FR3010139A1; EP2230458A1; CN102159890A; EP2489939A1; US9316398B2; WO2018060590A1; FR2951245A1; FR2951246A1; FR2971038A1; CN102575844A; CN102575843A; FR3017416A1; FR3118791A1; WO2010105956A1; WO2012110315A1; WO2012104523A2; US9003802B2; US9046271B2; US9605594B2; WO2015025109A1; US10072578B2; WO2012104523A3; WO2015121580A1; WO2022152621A1

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**EP 08161242 A 20080728**; CA 2638814 A 20080808; FR 0757025 A 20070810; JP 2008202669 A 20080806; RU 2008132887 A 20080808; US 18545108 A 20080804; US 201213428932 A 20120323