

Title (en)
Anti-coking injector arm

Title (de)
Anti-Verkokungsinjektorarm

Title (fr)
Bras d'injecteur anti-cokéfaction

Publication
EP 1770333 B1 20100721 (FR)

Application
EP 06121357 A 20060927

Priority
FR 0509879 A 20050928

Abstract (en)
[origin: EP1770333A1] The injector has an injector arm with two ducts that are coaxial and supports a spray head, where a peripheral duct (29) of annular section surrounds a central duct (28). The peripheral duct connects a primary fuel circuit that delivers fuel continuously, and the central duct connects a secondary fuel circuit that delivers fuel at a specific rate. The spray head has distributor, and an arrangement of channels that enables a fuel flowing in the central duct to be ejected as a diverging jet situated outside the jet of fuel coming from the peripheral duct. An independent claim is also included for an injector system for injecting fuel into a combustion chamber of a gas turbine engine.

IPC 8 full level
F23R 3/28 (2006.01); **F23D 11/26** (2006.01); **F23D 11/38** (2006.01); **F23K 5/02** (2006.01)

CPC (source: EP US)
F23D 11/26 (2013.01 - EP US); **F23R 3/28** (2013.01 - EP US); **F23D 2900/00016** (2013.01 - EP US); **F23K 2900/05003** (2013.01 - EP US)

Citation (examination)
WO 03054447 A1 20030703 - ALSTOM SWITZERLAND LTD [CH], et al

Cited by
FR3106373A1; FR3091333A1; FR3091332A1; FR3010139A1; US11788727B2; US11168886B2; WO2020136359A1; WO2015025109A1; US10072578B2; EP2056023A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
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