

Title (en)
Afterburner with assured ignition

Title (de)
Nachbrenner mit gesicherter Zündung

Title (fr)
Chambre de post-combustion à allumage sécurisé

Publication
EP 1621817 A1 20060201 (FR)

Application
EP 05291480 A 20050708

Priority
FR 0407909 A 20040716

Abstract (en)
The engine has an afterburner with an annular fuel injection ramp (34), and a spark plug (42) mounted in the vicinity of the ramp. The afterburner has an ignition injector (48) installed opposite to the plug and having a jet pipe for pulverization of fuel. The injector is connected to a conduit (49) that delivers fuel to the injector from a fuel source, under a controlled pressure independent of the supply conditions of the ramp.

IPC 8 full level
F02C 7/266 (2006.01); **F02K 3/10** (2006.01); **F23R 3/20** (2006.01)

CPC (source: EP US)
F23R 3/20 (2013.01 - EP US)

Citation (applicant)
• US 5396761 A 19950314 - WOLTMANN IVAN E [US], et al
• US 3931707 A 19760113 - VDOVIK JOHN WILLIAM

Citation (search report)
• [XD] US 3931707 A 19760113 - VDOVIK JOHN WILLIAM
• [X] US 3765178 A 19731016 - HUFNAGEL R, et al
• [A] US 4315401 A 19820216 - BEAL GEORGE W, et al
• [A] GB 842197 A 19600720 - GEN ELECTRIC
• [A] DE 1133185 B 19620712 - SNECMA

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FR2900460A1; FR3039220A1; FR3107570A1; FR2942640A1; US8490402B2; FR3097298A1

Designated contracting state (EPC)
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