Title (en)
PLASMA-JET SPARK PLUG

Title (de)
PLASMASTRAHL-ZÜNDKERZE

Title (fr)
BOUGIE D'ALLUMAGE PAR JET DE PLASMA

Publication
EP 1644637 A1 20060412 (DE)

Application
EP 04733327 A 20040517

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Abstract (en)
[origin: WO2005005819A1] The invention relates to a plasma-jet spark plug for internal combustion engines. Said spark plug comprises a central electrode (2), a firing channel (6) configured from insulation material (4) and a mass electrode (3) that is concentric with the firing channel and forms an outlet. The central electrode (2) is conical. The firing channel (6) comprises a narrowing (6-5) along its course to the mass electrode, said narrowing acting as an acceleration section for the plasma.

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F02P 9/00; H01T 13/20; H05H 1/34; H01T 13/50

IPC 8 full level
H01T 13/20 (2006.01); **H01T 13/50** (2006.01); **H05H 1/52** (2006.01)

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F02P 9/00 (2013.01 - KR); **H01T 13/20** (2013.01 - EP US); **H01T 13/50** (2013.01 - EP US); **H05H 1/52** (2013.01 - EP US)

Citation (search report)
See references of WO 2005005819A1

Citation (third parties)
Third party :
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- JP H0272577 A 19900312 - HONDA MOTOR CO LTD
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- US 4514657 A 19850430 - IGASHIRA TOSHIHIKO [JP], et al
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- "Final report of the Collaborative Research Centre", January 2001, article "Sonderforschungsbereich 224: "Motorische Verbrennung"", pages: 105 - 130, XP003028539

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