

Title (en)

Spark plug for plasma beam ignition device

Title (de)

Zündkerze für Plasmastrahl-Zündeinrichtung

Title (fr)

Bougie d'allumage pour dispositif d'allumage à jet de plasma

Publication

EP 0913897 B1 20020626 (DE)

Application

EP 98117582 A 19980916

Priority

DE 19747700 A 19971029

Abstract (en)

[origin: EP0913897A1] The ignition plug has an insulating layer (10) on a section in the combustion chamber (7), separating an electrically conducting inner electrode (1) from an earth housing electrode (4). A HF high voltage field is applied to the plug to form plasma in the combustion chamber and ignite the air-fuel mixture. The inner electrode has at least one electrically conducting section (9) on its combustion chamber end. An independent claim is also included for use of the ignition plug in lean-burn, layer-charge and diesel engines.

IPC 1-7

H01T 13/50

IPC 8 full level

H01T 13/50 (2006.01)

CPC (source: EP)

H01T 13/50 (2013.01)

Cited by

CN105981243A; EP1215392A3; FR2859831A1; FR2858024A1; CN103262370A; KR20130139893A; KR101868424B1; US2010282197A1; CN102460868A; US8464679B2; EP2427938A4; JP2015122319A; US7900613B2; WO2010129535A2; US9951743B2; US8074620B2; US9041273B2; WO2007090380A1; US6953032B2; US8729782B2

Designated contracting state (EPC)

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