

Title (en)
SURFACE-DISCHARGE SPARK PLUG

Publication
EP 0238520 B1 19921202 (DE)

Application
EP 86905220 A 19860913

Priority
DE 3533124 A 19850917

Abstract (en)
[origin: WO8701877A1] In a surface-discharge spark plug, in order to lengthen the path of the discharge surface with a given ignition voltage, the upper surface (22) of the insulating body (10) facing the combustion chamber is designed so that it is crossed by a plurality of field lines (30) forming parts of an electric field generated between the central electrode (21) and the insulating body (10) and the annular mass electrode (16) fitted to the metal casing (11) which surrounds the central electrode (21). Part of the electrode (16 or 21) which represents the cathode (-) is arranged at a certain distance behind the surface (22), when seen in the direction of the field lines, forming an angle with the latter surface.

IPC 1-7
H01T 13/52

IPC 8 full level
H01T 13/52 (2006.01)

CPC (source: EP US)
H01T 13/52 (2013.01 - EP US)

Designated contracting state (EPC)
BE DE FR GB IT

DOCDB simple family (publication)
DE 3533124 A1 19870326; DE 3687225 D1 19930114; EP 0238520 A1 19870930; EP 0238520 B1 19921202; ES 2002159 A6 19880716; JP S63500970 A 19880407; US 4798991 A 19890117; WO 8701877 A1 19870326

DOCDB simple family (application)
DE 3533124 A 19850917; DE 3687225 T 19860913; DE 8600366 W 19860913; EP 86905220 A 19860913; ES 8601954 A 19860917; JP 50484486 A 19860913; US 5589187 A 19870507