

Title (en)
Ignition part for internal combustion engines

Title (de)
Teil einer Zündung für innere Brennkraftmaschinen

Title (fr)
Organe d'allumage pour moteur à combustion interne

Publication
EP 0713006 A1 19960522 (FR)

Application
EP 95402506 A 19951109

Priority
FR 9413643 A 19941115

Abstract (en)
The spark plug includes the primary winding on a magnetic core (1) which is surrounded by a compartmented secondary former (3) and fed with DC via a connector (5). The two windings are enclosed in a casing (7) threaded (8) at the other end for insertion into the cylinder head. The high-voltage electrode (11) projects from the threaded end towards the tip of the earth electrode (9), and is energised from the secondary winding via a conductor (12) insulated from the ceramic base (13). The high-voltage assembly (11-13) is encased first, followed by the windings and an insulating resin which fills the casing.

Abstract (fr)
L'invention a pour objet un organe d'allumage pour moteur à combustion interne. Elle comprend : un bobinage secondaire (4); des moyens (11-13) de sortie haute tension de ladite bobine secondaire susceptibles de fournir une étincelle d'allumage à un cylindre d'un moteur à combustion interne; un bobinage primaire (2); un boîtier (7) dans lequel sont disposés lesdits bobinages et lesdits moyens de sortie haute tension; et des moyens de maintien pour maintenir les bobinages et les moyens de sortie dans le boîtier. <IMAGE>

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IPC 8 full level
F02P 13/00 (2006.01); **F02P 15/00** (2006.01); **H01F 38/12** (2006.01); **H01T 13/04** (2006.01)

CPC (source: EP US)
F02P 13/00 (2013.01 - EP US); **H01F 38/12** (2013.01 - EP US); **H01F 2038/122** (2013.01 - EP US)

Citation (applicant)
EP 0387993 A1 19900919 - GEN MOTORS CORP [US]

Citation (search report)
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• [XA] EP 0069889 A2 19830119 - NISSAN MOTOR [JP]
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• [X] US 4277724 A 19810707 - BEEGHLY BRUCE R
• [X] "IGNITION COIL HAVING WINDINGS FORMED ON A CERAMIC CYLINDER", RESEARCH DISCLOSURE, no. 328, 1 August 1991 (1991-08-01), pages 580, XP000217881
• [X] "INTEGRAL COIL-SPARK PLUG", RESEARCH DISCLOSURE, no. 328, 1 August 1991 (1991-08-01), pages 626, XP000217946

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