

Title (en)
Ignition coil with open core and central air gap

Title (de)
Zündspule mit offenem Kern und zentralem Luftspalt

Title (fr)
Bobine d'allumage à noyau ouvert et entrefer central

Publication
EP 0893599 A1 19990127 (EN)

Application
EP 97830372 A 19970721

Priority
EP 97830372 A 19970721

Abstract (en)
An ignition coil intended for being mounted directly on a spark plug comprises a laminated magnetic core (30) of elongated shape along a longitudinal axis (31) of said coil, together with a low-voltage primary winding (20p) coaxial with the magnetic core (30) and arranged in such a manner as to generate magnetic flux lines substantially parallel to said longitudinal axis (31), and a high-voltage secondary winding (20s) likewise coaxial with the magnetic core (30) and arranged in such a manner as to interlink with said magnetic flux lines (44). The said core (30) comprises at least two sections (40a, 40b) in line with each other along its longitudinal axis (31) and axially separated, by a separation space (42) of nonmagnetic material. <IMAGE>

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F02P 1/00; **H01F 38/12**

IPC 8 full level
H01F 38/12 (2006.01)

CPC (source: EP)
H01F 38/12 (2013.01); **H01F 2038/122** (2013.01)

Citation (search report)

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- [X] DE 1007116 B 19570425 - BOSCH GMBH ROBERT
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- [A] US 1801608 A 19310421 - LEE THOMAS L
- [A] PATENT ABSTRACTS OF JAPAN vol. 006, no. 025 (E - 094) 13 February 1982 (1982-02-13)

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