

Title (en)

Ignition coil for internal combustion engines of automobile vehicles and process of fabrication.

Title (de)

Zündspule für Brennkraftmaschinen von Fahrzeugen und Verfahren zur Herstellung.

Title (fr)

Bobine d'allumage pour l'allumage des moteurs à combustion interne de véhicules automobiles, et son procédé de fabrication.

Publication

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Application

EP 89401123 A 19890421

Priority

FR 8805673 A 19880428

Abstract (en)

The ignition coil (1) comprises a magnetic circuit (7, 8), two windings, primary (2) and secondary (3), arranged coaxially around a core (7) of the magnetic circuit (7, 8). According to the invention, the magnetic circuit (7, 8) consists of grains of magnetisable material which are oriented by powering at least one of the windings (2 or 3) prior to an operation of impregnating a resin (60) polymerising the whole, said grains being arranged within a space defined by the casings (4) and (6). <IMAGE>

IPC 1-7

F02P 3/02; **H01F 27/24**; **H01F 31/00**; **H01F 41/02**

IPC 8 full level

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Citation (search report)

- [A] FR 2057059 A7 19710507 - ELTRA CORP
- [AD] FR 2593962 A1 19870807 - DUCELLIER & CIE [FR]
- [AD] FR 1416509 A 19651105 - PARISIENNE DE CONST ELECTRO ME
- [A] FR 2013280 A1 19700327 - PAL MAGNETON
- [A] US 2701865 A 19550208 - GETZ RAYMOND F, et al

Cited by

EP0579487A3; EP0512357A3; EP0637856A1; US5547387A; US8230584B2; WO2008017631A3

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