

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

EP 0340083 B1 19940713 (FR)

Application

EP 89401123 A 19890421

Priority

FR 8805673 A 19880428

Abstract (en)

[origin: EP0340083A1] 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

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

IPC 8 full level

F02P 15/00 (2006.01); **F02P 3/02** (2006.01); **F02P 7/02** (2006.01); **H01F 27/255** (2006.01); **H01F 38/12** (2006.01); **H01F 41/02** (2006.01)

CPC (source: EP)

F02P 3/02 (2013.01); **F02P 7/026** (2013.01); **H01F 27/255** (2013.01); **H01F 38/12** (2013.01); **H01F 41/0206** (2013.01)

Cited by

EP0579487A3; EP0512357A3; EP0637856A1; US5547387A; US8230584B2; WO2008017631A3

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

EP 0340083 A1 19891102; **EP 0340083 B1 19940713**; DE 68916690 D1 19940818; DE 68916690 T2 19950406; FR 2630782 A1 19891103; FR 2630782 B1 19930514; JP 3011943 B2 20000221; JP H01316915 A 19891221

DOCDB simple family (application)

EP 89401123 A 19890421; DE 68916690 T 19890421; FR 8805673 A 19880428; JP 10791489 A 19890428