

Title (en)  
IGNITION COIL WITH A CLOSED MAGNETIC CIRCUIT

Publication  
**EP 0230811 B1 19920603 (FR)**

Application  
**EP 86402744 A 19861210**

Priority  
• FR 8601004 A 19860124  
• FR 8610663 A 19860723

Abstract (en)  
[origin: EP0230811A2] The ignition coil, in particular for a motor vehicle internal combustion engine, is of the closed-circuit type and consists of a central core (1) around which are coaxially disposed the primary (11) and secondary (21) windings, and of a double magnetic circuit for flux return (2), the whole being housed in a plastic box (30). The coil comprises support means (12, 22a, 22b) able to support the secondary winding (21) in levitation over and around the primary winding (11), means which are constructed such that, at all points within a given space, they define a substantially maximum gap between the said windings and the magnetic circuit.

IPC 1-7  
**H01F 27/02**; **H01F 27/30**; **H01F 31/00**

IPC 8 full level  
**F02P 3/02** (2006.01); **H01F 27/02** (2006.01); **H01F 27/30** (2006.01); **H01F 38/12** (2006.01)

CPC (source: EP)  
**F02P 3/02** (2013.01); **H01F 27/022** (2013.01); **H01F 27/306** (2013.01); **H01F 38/12** (2013.01); **H01F 2005/025** (2013.01)

Cited by  
EP1530225A3; EP0617438A1; US6136347A; AU594158B2; DE4424129A1; DE3741033A1; EP0395512A1; FR2646550A1; US5015984A

Designated contracting state (EPC)  
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**EP 0230811 A2 19870805**; **EP 0230811 A3 19880727**; **EP 0230811 B1 19920603**; BR 8700210 A 19871201; DE 3685573 D1 19920709; DE 3685573 T2 19930204; ES 2033689 T3 19930401

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