

Title (en)  
IGNITION COIL FOR INTERNAL-COMBUSTION ENGINES

Publication  
**EP 0034955 B1 19841024 (FR)**

Application  
**EP 81400073 A 19810121**

Priority  
• FR 8003653 A 19800220  
• FR 8009742 A 19800430

Abstract (en)  
[origin: EP0034955A1] 1. Ignition coil for internal combustion engines, comprising a closed magnetic circuit (1) formed by a plurality of sheet metal elements or laminations which are assembled to form a rectangular frame comprising branches of rectangular cross-section, a permanent magnet (2) situated between two half-branches (3a and 3b) forming a branch (3), a primary winding (4) and a secondary winding (5) surrounding a branch (6) opposite to the branch (3), characterized in that the magnetic circuit (1) comprises at least one magnetic junction (7) situated at one of the extremities of the branch (6) along a plane forming an acute angle (alpha) with the plane of the surfaces (2a and 2b) of the permanent magnet (2) adjacent to the circuit (1).

IPC 1-7  
**H01F 31/00**; **H01F 3/14**; **H01F 29/14**

IPC 8 full level  
**H01F 3/10** (2006.01); **H01F 29/14** (2006.01); **H01F 38/12** (2006.01)

CPC (source: EP)  
**H01F 3/10** (2013.01); **H01F 29/146** (2013.01); **H01F 38/12** (2013.01)

Citation (examination)  
• DE 1464202 A1 19690522 - LICENTIA GMBH  
• FR 1048081 A 19531218 - PHILIPS NV  
• FR 1041524 A 19531023 - PHILIPS NV  
• DE 2226289 A1 19730104 - TDK ELECTRONICS CO LTD  
• FR 66586 E 19570416 - APP MARCHAL SOC D EXPL CONST D

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