

Title (en)
Ignition coil for internal-combustion engines.

Title (de)
Zündspule für Verbrennungsmotoren.

Title (fr)
Bobine d'allumage pour moteurs à combustion interne.

Publication
EP 0034955 A1 19810902 (FR)

Application
EP 81400073 A 19810121

Priority
• FR 8003653 A 19800220
• FR 8009742 A 19800430

Abstract (en)
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 (α) with the plane of the surfaces (2a and 2b) of the permanent magnet (2) adjacent to the circuit (1).

Abstract (fr)
Bobine comportant un circuit magnétique fermé (1), un aimant permanent (2) disposé dans l'une des branches dudit circuit et des enroulements primaire et secondaire entourant une autre branche (6) caractérisée en ce que ledit circuit comporte au moins un joint magnétique (7) disposé selon un plan formant un angle avec le plan des faces (2a et 2b), de l'aimant permanent (2) adjacentes au circuit magnétique.

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Citation (search report)
FR 2168919 A3 19730907 - DUCELLIER & CIE [FR]

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