

Title (en)

IGNITION COIL HAVING CLOSED MAGNETIC CORE AND PERMANENT MAGNET, AND METHOD FOR MANUFACTURING SAID COIL

Title (de)

ZÜNDSPULE MIT GESCHLOSSENEM MAGNETISCHEN KERN UND DAUERMAGNET SOWIE VERFAHREN ZUR HERSTELLUNG DER BESAGTEN SPULE

Title (fr)

BOBINE D'ALLUMAGE A NOYAU MAGNETIQUE FERME ET A AIMANT PERMANENT ET PROCEDE DE FABRICATION DE LA BOBINE

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Application

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Abstract (en)

[origin: WO2011045498A1] The invention relates to an ignition coil, comprising a protective housing (2) a closed magnetic core having a permanent magnet (21), the magnetic core comprising a substantially U-shaped first core element (4) that is housed inside the protective housing (2) and a substantially bar-shaped second core element (20). The first core element (4) comprises at least two surfaces (5a, 5b) for contact with the second core element (20). The coil comprises at least one primary winding (23) and a secondary winding (36) that are situated around the second core element (20) and form a coil module (3) therewith. The contact surfaces (5a, 5b) of the first core element (4) are both beveled so as to enable the mounting of the coil module (3) inside the housing (2). The invention simplifies the placement of the coil module in the protective housing.

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