

Title (en)

Method of manufacturing an ignition coil for internal combustion engines.

Title (de)

Verfahren zur Herstellung einer Zündspule für Verbrennungsmotoren.

Title (fr)

Procédé de construction d'une bobine d'allumage pour moteurs à combustion interne.

Publication

EP 0072716 A1 19830223 (FR)

Application

EP 82401175 A 19820625

Priority

FR 8115903 A 19810819

Abstract (en)

1. Process for the construction of an ignition coil for internal combustion engines, the coil comprising a closed magnetic circuit (1), around one of whose branches there are arranged a primary winding (3) and a secondary winding (5) which are housed in a case (7) filled with a cast insulating material (8) covering the base of at least one high-voltage output terminal (9) maintained on the case (7) and equipped with a metal member (10) connected via an electrical connecting component (11) to the end (5a) of the secondary winding (5), which process is characterised in that the high-voltage output terminal (9) comprises a cam (14) and lobes (15) so that when a rotary motion is imparted to the said terminal, the said lobes exert a pressure maintaining this terminal on protrusions (16) arranged inside the case (7) so as to immobilize the terminal (9) in the case (7) before and during the operation of casting the insulating material filling the case.

Abstract (fr)

Bobine du type comportant un circuit magnétique fermé (1) autour d'une des branches duquel sont disposés un enroulement primaire (3) et un enroulement secondaire (5) logés dans un boîtier (7) rempli d'une matière isolante (8) coulée, recouvrant la base d'une borne de sortie haute tension (9) maintenue sur le boîtier (7) caractérisée en ce que la borne (9) comporte une came (14) dont les rampes exercent une pression de maintien de cette borne, sur des excroissances (16) ménagées à l'intérieur du boîtier (7).

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Citation (search report)

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- [A] FR 1598374 A 19700706
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- [A] FR 2069506 A5 19710903 - LUCAS INDUSTRIES LTD
- [A] PATENTS ABSTRACTS OF JAPAN, vol.5, no.159, 14 octobre 1981, (E-77) (831) & JP - A - 56 88 636 (HITACHI) (18-07-1981)

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