

Title (en)
PROCESS FOR MANUFACTURING COILS.

Title (de)
VERFAHREN ZUR HERSTELLUNG VON SPULEN.

Title (fr)
PROCEDE DE FABRICATION DE BOBINES.

Publication
EP 0516773 B1 19950524 (DE)

Application
EP 91920318 A 19911119

Priority
• DE 9100906 W 19911119
• DE 4040604 A 19901219

Abstract (en)
[origin: DE4040604A1] The aim of the invention is to improve the dissipation of the heat produced by the operation of an ignition coil (18). In contrast to a conventionally designed ignition coil, which has two formers (27), one for the primary winding (17) and one for the secondary winding (26), the different manufacturing process proposed enables the former for the primary winding (17) to be dispensed with. The primary winding (17) is wound on a mandrel (13), connected up to a connector (21) and then enclosed in the secondary winding (26) wound on its former (27). The connector (21), primary winding (17) and secondary winding (26) form a single assembly (33). This assembly (33) is transferred on to an iron core (31), which is fixed coaxial with the mandrel (13) and which has the same cross-section as the mandrel (13), by displacing it longitudinally. The iron core thus takes over the role of support for the primary winding (17) and conducts the heat produced during use directly away from the primary coil.

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