

Title (en)

High-voltage transformer and method for making same.

Title (de)

Hochspannungstransformator und Verfahren zu seiner Herstellung.

Title (fr)

Transformateur à haute tension et son procédé de fabrication.

Publication

EP 0318613 A1 19890607 (EN)

Application

EP 87117994 A 19871204

Priority

EP 87117994 A 19871204

Abstract (en)

A high-voltage transformer (101) such as an ignition coil for internal combustion engines and a method for making same are disclosed. A primary coil (3) and a secondary coil (4) are accommodated in a coil case (2) with the secondary coil disposed around the primary coil. An iron core having a plurality of iron core sections (610) is disposed in the coil case so as to surround the primary and secondary coils. Each of the iron core sections comprises a pair of first (612) and second (611) core members having a substantially similar configuration such as a channel form, an L-shaped form or the like. The first and second core members are assembled in such a manner that the first members are in abutting engagement at one end thereof with the second members at one end thereof, but in a spaced face-to-face relation at the other end thereof with the second members at the other end thereof with a limited gap (613) formed therebetween. A resin (7) is filled into the coil case for electrically insulating the primary and secondary coils from the iron core as well as firmly securing them to the coil case.

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H01F 31/00

IPC 8 full level

H01F 38/12 (2006.01)

CPC (source: EP)

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Citation (search report)

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