

Title (en)

Bar core ignition transformer for internal combustion engines

Title (de)

Stabzündtransformator für Brennkraftmaschinen

Title (fr)

Transformateur d'allumage avec noyau en forme de baguette pour moteurs à combustion interne

Publication

**EP 1111630 A3 20021002 (DE)**

Application

**EP 00122757 A 20001019**

Priority

DE 19962368 A 19991223

Abstract (en)

[origin: EP1111630A2] The device has a housing (2) in which a low voltage connection (16) and a high voltage connection (8) are integrated, a central coil core (3) non which a primary coil (4) is mounted, a coil bearer (5) enclosing the primary coil and carrying the secondary coil (6) and a magnetic feedback arrangement (14) of high permeability magnetic material with low eddy current losses. The central coil core is made of a ferromagnetic powder compound. Independent claims are also included for the following: a use of the transformer in ignition systems operated with a combination of self-induction and alternating voltage, an ignition unit and a use of the ignition unit in ignition systems operated with a combination of self-induction and alternating voltage.

IPC 1-7

**H01F 38/12**; H01T 13/44; H01F 27/255; F02P 3/02; F02P 15/00

IPC 8 full level

**F02P 15/00** (2006.01); **H01F 38/12** (2006.01)

CPC (source: EP KR US)

**H01F 38/12** (2013.01 - EP KR US)

Citation (search report)

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Designated contracting state (EPC)

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