

Title (en)

ROD IGNITION TRANSFORMER FOR SUPPLYING AN IGNITION ELEMENT, ESPECIALLY A SPARK PLUG OF AN INTERNAL COMBUSTION ENGINE, WITH HIGH VOLTAGE

Title (de)

STABZÜNDTRANSFORMATOR ZUR VERSORGUNG EINES ZÜNDMITTELS, INSBESONDERE EINER ZÜNDKERZE EINER BRENNKRAFTMASCHINE, MIT EINER HOCHSPANNUNG

Title (fr)

TRANSFORMATEUR D'ALLUMAGE EN BARRE DESTINE A ALIMENTER EN HAUTE TENSION UN MOYEN D'ALLUMAGE, EN PARTICULIER UNE BOUGIE D'ALLUMAGE D'UN MOTEUR A COMBUSTION INTERNE

Publication

EP 1929490 B1 20100120 (DE)

Application

EP 06778426 A 20060912

Priority

- EP 2006066281 W 20060912
- DE 102005043336 A 20050912

Abstract (en)

[origin: WO2007031518A1] The invention relates to a rod ignition transformer for supplying an ignition element, especially a spark plug of an internal combustion engine, with high voltage. A first internal winding (32) and a second external winding (22) are arranged about a main core area (14) of the transformer core coaxially to the longitudinal axis (11) of the rod ignition transformer (30), one of the windings being a primary winding (22) and the other winding being a secondary winding (32). The distance between the peripheral surface of the transformer core (14) and the secondary winding (32) on a first end of the secondary winding (32) is shorter than the distance between the peripheral surface of the transformer core (14) and the secondary winding (32) on the second end of the secondary winding (32). Alternatively or additionally thereto, the distance between the peripheral surface of the transformer core (14) and the secondary winding (32) on a first end of the transformer core (14) is shorter than the distance between the peripheral surface of the transformer core (14) and the secondary winding (32) on the second end of the transformer core (14). The invention also relates to a rod ignition transformer/spark plug combination (40).

IPC 8 full level

H01F 38/12 (2006.01); **H01F 27/32** (2006.01)

CPC (source: EP)

H01F 38/12 (2013.01); **H01F 27/324** (2013.01); **H01F 2038/122** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102005043336 A1 20070315; AT E456141 T1 20100215; CN 101305431 A 20081112; CN 101305431 B 20101027; DE 502006005995 D1 20100311; EP 1929490 A1 20080611; EP 1929490 B1 20100120; HK 1124955 A1 20090724; JP 2009508345 A 20090226; WO 2007031518 A1 20070322

DOCDB simple family (application)

DE 102005043336 A 20050912; AT 06778426 T 20060912; CN 200680041484 A 20060912; DE 502006005995 T 20060912; EP 06778426 A 20060912; EP 2006066281 W 20060912; HK 09102976 A 20090330; JP 2008530505 A 20060912