

Title (en)
IGNITION DEVICE FOR A MULTICYLINDER INTERNAL COMBUSTION ENGINE

Title (de)
ZÜNDVORRICHTUNG FÜR EINE MEHRZYLINDER-BRENNKRAFTMASCHINE

Title (fr)
DISPOSITIF D'ALLUMAGE POUR MOTEUR A COMBUSTION INTERNE MULTICYLINDRE

Publication
EP 0819214 B1 20000329 (DE)

Application
EP 96945837 A 19961028

Priority
• DE 9602048 W 19961028
• DE 19604105 A 19960206

Abstract (en)
[origin: DE19604105A1] An ignition device (11) for a multicylinder internal combustion engine must be designed so that it is operationally reliable under shaking accelerations of the internal combustion engine. The ignition device (11) has rod-shaped ignition coils (12) corresponding to the number of cylinders of the internal combustion engine. An end section (22) of each ignition coil (12) is formed by a part of a core (23) of the ignition coil (12) projecting from a housings (20) of the ignition coil (12). A buffer is arranged on this. The other end section (21) of the ignition coil (12) is formed by a high voltage dome (27) which is contained in a socket (39) of elastic material supported in the spark plug bore (15) of a cylinder head (13) of the internal combustion engine. The ignition device (11) is maintained elastically tensioned at the two end sections (21, 22) in the cylinder head (13) of the internal combustion engine by a retaining element (33). The high voltage transmission to an associated ignition coil (16) is effected in a flexible manner through a high voltage contact element (48) which is designed as a spring.

IPC 1-7
F02P 3/02

IPC 8 full level
F02P 7/03 (2006.01); **F02P 3/02** (2006.01); **F02P 15/00** (2006.01); **H01F 38/12** (2006.01); **H01T 13/06** (2006.01)

CPC (source: EP KR US)
F02P 3/02 (2013.01 - EP KR US); **H01T 13/06** (2013.01 - EP US)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 19604105 A1 19970807; BR 9604941 A 19980609; DE 59604841 D1 20000504; EP 0819214 A1 19980121; EP 0819214 B1 20000329; JP H11504412 A 19990420; KR 19980703531 A 19981105; US 5890473 A 19990406; WO 9729280 A1 19970814

DOCDB simple family (application)
DE 19604105 A 19960206; BR 9604941 A 19961028; DE 59604841 T 19961028; DE 9602048 W 19961028; EP 96945837 A 19961028; JP 52802897 A 19961028; KR 19970706935 A 19971002; US 93066098 A 19980406