

Title (en)
IGNITION SYSTEM FOR INTERNAL COMBUSTION ENGINES WITH MISFIRE DETECTION THROUGH COMPARISON WITH REFERENCE FIRINGS IN THE SAME IGNITION COIL

Title (de)
ZÜNDANLAGE FÜR BRENNKRAFTMASCHINEN MIT FEHLZÜNDUNGSERKENNUNG DURCH VERGLEICH MIT REFERENZZÜNDUNGEN DERSELBEN ZÜNDSPULE

Title (fr)
SYSTEME D'ALLUMAGE POUR MOTEURS A COMBUSTION INTERNE COMPRENANT UN DISPOSITIF DE DETECTION DES DEFAUTS D'ALLUMAGE PAR COMPARAISON AVEC DES ALLUMAGES DE REFERENCE DE LA MEME BOBINE D'ALLUMAGE

Publication
EP 0656096 B1 19961211 (DE)

Application
EP 94913011 A 19940422

Priority
• DE 9400449 W 19940422
• DE 4316775 A 19930519

Abstract (en)
[origin: WO9427043A1] The invention pertains to an ignition system for internal combustion engines with means for detecting misfirings. This ignition system makes it possible to detect the combustion voltage transformed on the primary side and to assess the spark duration and/or ignition combustion voltage through comparison with limit values for a proper ignition. The limit values for a proper ignition are derived from the measured values of a reference firing. The reference firing is the ignition triggered by the energy potential of the same ignition coil.

IPC 1-7
F02P 17/00

IPC 8 full level
F02P 3/04 (2006.01); **F02P 17/00** (2006.01); **F02P 17/12** (2006.01)

CPC (source: EP US)
F02P 17/12 (2013.01 - EP US)

Designated contracting state (EPC)
DE ES

DOCDB simple family (publication)
DE 4316775 A1 19941124; **DE 4316775 C2 19950518**; CN 1047431 C 19991215; CN 1104834 A 19950705; DE 59401262 D1 19970123; EP 0656096 A1 19950607; EP 0656096 B1 19961211; ES 2095762 T3 19970216; PL 307056 A1 19950502; RU 2121598 C1 19981110; RU 95105456 A 19961120; US 5507264 A 19960416; WO 9427043 A1 19941124

DOCDB simple family (application)
DE 4316775 A 19930519; CN 94190186 A 19940422; DE 59401262 T 19940422; DE 9400449 W 19940422; EP 94913011 A 19940422; ES 94913011 T 19940422; PL 30705694 A 19940422; RU 95105456 A 19940422; US 37332895 A 19950119