

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

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• 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.

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