

Title (en)
MAGNETIC CORE-COIL ASSEMBLY FOR SPARK IGNITION SYSTEMS

Title (de)
MAGNETKERN-UND SPULENANORDNUNG FÜR FUNKENZÜNDANLAGEN

Title (fr)
ENSEMBLE BOBINE/NOYAU MAGNETIQUES POUR SYSTEME D'ALLUMAGE COMMANDE

Publication
EP 0896726 A1 19990217 (EN)

Application
EP 97924525 A 19970425

Priority

- US 9707069 W 19970425
- US 63949896 A 19960429
- US 79033997 A 19970127
- US 3682697 P 19970131

Abstract (en)
[origin: WO9741576A1] A magnetic core-coil assembly generates an ignition event in a spark ignition internal combustion system having at least one combustion chamber. The assembly comprises a magnetic core of amorphous metal having a primary coil for low voltage excitation and a secondary coil for a high voltage output to be fed to a spark plug. A high voltage is generated in the secondary coil within a short period of time following excitation thereof. The assembly senses spark ignition conditions in the combustion chamber to control the ignition event. The assembly is constructed from sub-assembly parts that can be manufactured with existing machines at reasonable cost. The assembly is then potted in a housing consisting of a high temperature polymer.

IPC 1-7
H01F 38/12

IPC 8 full level
H01F 27/32 (2006.01); **H01F 38/12** (2006.01)

CPC (source: EP)
H01F 38/12 (2013.01)

Citation (search report)
See references of WO 9741576A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)
WO 9741576 A1 19971106; AU 2992797 A 19971119; BR 9708836 A 19990803; CA 2253571 A1 19971106; CN 1220764 A 19990623; EP 0896726 A1 19990217; JP H11508415 A 19990721

DOCDB simple family (application)
US 9707069 W 19970425; AU 2992797 A 19970425; BR 9708836 A 19970425; CA 2253571 A 19970425; CN 97195097 A 19970425; EP 97924525 A 19970425; JP 53910897 A 19970425