

Title (en)
IMPROVED TIME DELAY IGNITION CIRCUIT FOR AN INTERNAL COMBUSTION ENGINE

Title (de)
ZÜNDVERZÖGERUNGSSCHALTUNG FÜR VERBRENNUNGSMOTOREN

Title (fr)
CIRCUIT D'ALLUMAGE TEMPORISE AMELIORE POUR MOTEUR A COMBUSTION INTERNE

Publication
EP 0906497 A4 20000830 (EN)

Application
EP 97940526 A 19970620

Priority
• US 9710636 W 19970620
• US 2003296 P 19960621

Abstract (en)
[origin: WO9748903A2] An internal combustion engine assembly including an internal combustion engine including an engine block having at least one cylinder, a piston mounted within the cylinder for reciprocal movement in the cylinder, a fuel injector for injecting fuel into the cylinder, the fuel injector initiating a fuel injection event at a predetermined time and a circuit for generating a spark in the cylinder a predetermined amount of time after the injection event to cause combustion of fuel in the cylinder.

IPC 1-7
F02P 5/04; **F02P 5/15**

IPC 8 full level
F02P 5/04 (2006.01); **F02P 5/15** (2006.01); **F02P 5/155** (2006.01); **F02B 23/10** (2006.01); **F02B 75/12** (2006.01)

CPC (source: EP)
F02P 5/045 (2013.01); **F02P 5/15** (2013.01); **F02P 5/1508** (2013.01); **F02P 5/1551** (2013.01); **F02P 5/1553** (2013.01); **F02B 23/101** (2013.01); **F02B 2075/125** (2013.01); **F02P 5/1506** (2013.01); **Y02T 10/12** (2013.01); **Y02T 10/40** (2013.01)

Citation (search report)
• [XA] US 4621599 A 19861111 - IGASHIRA TOSHIHIKO [JP], et al
• [X] FR 1271399 A 19610908 - TEXACO DEVELOPMENT CORP
• [A] US 4380989 A 19830426 - TAKAKI IWAO [JP]
• See references of WO 9748903A2

Designated contracting state (EPC)
BE DE FR GB IT SE

DOCDB simple family (publication)
WO 9748903 A2 19971224; **WO 9748903 A3 19980319**; AU 4228497 A 19980107; AU 706153 B2 19990610; CA 2258105 A1 19971224; CN 1081733 C 20020327; CN 1227620 A 19990901; EP 0906497 A2 19990407; EP 0906497 A4 20000830; HK 1022341 A1 20010412; JP H11513098 A 19991109

DOCDB simple family (application)
US 9710636 W 19970620; AU 4228497 A 19970620; CA 2258105 A 19970620; CN 97197204 A 19970620; EP 97940526 A 19970620; HK 00101024 A 20000221; JP 50333298 A 19970620