

Title (en)

ELECTRICAL MONITORING DEVICE FOR ENABLING THE IDENTIFICATION OF THE WORKING PHASES OF A CYLINDER OF A CONTROLLED-IGNITION INTERNAL COMBUSTION ENGINE

Publication

EP 0272225 B1 19910626 (EN)

Application

EP 87830413 A 19871120

Priority

IT 6793186 A 19861215

Abstract (en)

[origin: EP0272225A1] The device enables the identification of the working phases of a cylinder of an internal combustion engine having a spark ignition system (1-5) with a conductive line (4) for the spark plug (2) of each cylinder, through which a high-voltage pulse is applied periodically to the plug (2) to generate a spark. The monitoring device includes a signal pick-up member (6) of electrically conductive material which can be coupled to a portion of the conductive line (4) in a capacitive coupling relationship.

IPC 1-7

F02P 17/00

IPC 8 full level

F02P 15/08 (2006.01); **F02P 17/02** (2006.01); **F02P 17/12** (2006.01); **F02P 17/00** (2006.01)

CPC (source: EP)

F02P 15/08 (2013.01); **F02P 17/02** (2013.01); **F02P 17/12** (2013.01); **F02P 2017/006** (2013.01)

Cited by

US5065729A; CN102099562A; FR2777321A1; US5107817A; US5132625A; CN102099564A; EP0711917A3; EP0715075A3; EP0829642A1; FR2753234A1; WO9008894A1; WO2009121433A1; WO2010006992A1; WO8908778A1; WO2010006993A1; WO9206292A1

Designated contracting state (EPC)

DE ES FR GB SE

DOCDB simple family (publication)

EP 0272225 A1 19880622; **EP 0272225 B1 19910626**; DE 3771045 D1 19910801; ES 2022459 B3 19911201; IT 1196843 B 19881125; IT 8667931 A0 19861215

DOCDB simple family (application)

EP 87830413 A 19871120; DE 3771045 T 19871120; ES 87830413 T 19871120; IT 6793186 A 19861215