

Title (en)

SENSOR FOR DETERMINING THE COMBUSTION PROFILE IN AN INTERNAL COMBUSTION ENGINE.

Title (de)

SENSOR ZUR ERFASSUNG DES VERBRENNUNGSVERLAUFS IN EINER BRENNKRAFTMASCHINE.

Title (fr)

CAPTEUR POUR DETECTER L'ALLURE DE COMBUSTION DANS UN MOTEUR A COMBUSTION INTERNE.

Publication

EP 0472544 B1 19950222 (DE)

Application

EP 90906865 A 19900515

Priority

- DE 9000354 W 19900515
- DE 3916547 A 19890520

Abstract (en)

[origin: WO9014705A1] In a sensor for determining physical processes in the combustion chamber of an internal combustion engine, the measurement electrode is arranged separately from the metallic screw-in part (10). The measurement electrode consists of a wire (17) or a mesh-like sheath (22) sintered into the spark plug insulator (12) and is earthed by means of a measurement element (19). The ignition can be monitored and at the same time the quality of the firing of the mixture can be assessed by measuring the ignition current.

IPC 1-7

H01T 13/40; F02P 17/00

IPC 8 full level

F02P 13/00 (2006.01); **F02P 17/00** (2006.01); **F02P 17/12** (2006.01); **H01T 13/40** (2006.01)

CPC (source: EP KR US)

F02P 13/00 (2013.01 - EP US); **F02P 17/12** (2013.01 - EP US); **H01T 13/40** (2013.01 - EP KR US)

Cited by

DE4132285A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

DE 3916547 A1 19901122; DE 59008543 D1 19950330; EP 0472544 A1 19920304; EP 0472544 B1 19950222; JP H04505383 A 19920917; KR 920702054 A 19920812; US 5237280 A 19930817; WO 9014705 A1 19901129

DOCDB simple family (application)

DE 3916547 A 19890520; DE 59008543 T 19900515; DE 9000354 W 19900515; EP 90906865 A 19900515; JP 50715390 A 19900515; KR 910701439 A 19911025; US 76830991 A 19910626