

Title (en)  
DEVICE FOR CONTROLLING AN INTERNAL COMBUSTION ENGINE

Publication  
**EP 0280696 B1 19911016 (DE)**

Application  
**EP 87904848 A 19870808**

Priority  
DE 3630272 A 19860905

Abstract (en)  
[origin: WO8801691A1] The device for controlling an internal combustion engine of a vehicle comprises a sensor system with a rotary emitter disk (10) mounted on a motor shaft facing a fixed detector element (20). The periphery of the disk (10) is provided with a number of segments (11, 12) proportional to that of the engine cylinders. At least one of the segments (11, 12) comprises a row of perforations which become wider as the angle of rotation of the shaft increases. The signals generated in the detector element (20) by the perforations (15) or the segments (11, 12) are transmitted to a control circuit (21) for the ignition, injection etc. of the vehicle. This ensures precise allocation of the ignition pulses for a high-voltage distribution without a distributor, using a single emitting unit.

IPC 1-7  
**F02P 7/067**

IPC 8 full level  
**F02P 5/15** (2006.01); **F02D 45/00** (2006.01); **F02P 7/067** (2006.01)

CPC (source: EP US)  
**F02P 7/0675** (2013.01 - EP US)

Designated contracting state (EPC)  
DE FR GB IT SE

DOCDB simple family (publication)  
**WO 8801691 A1 19880310**; DE 3630272 A1 19880317; DE 3773901 D1 19911121; EP 0280696 A1 19880907; EP 0280696 B1 19911016; JP H01500682 A 19890309; US 4848298 A 19890718

DOCDB simple family (application)  
**DE 8700347 W 19870808**; DE 3630272 A 19860905; DE 3773901 T 19870808; EP 87904848 A 19870808; JP 50466687 A 19870808; US 21473788 A 19880328