

Title (en)
DEVICE FOR DETERMINING THE POSITION OF AN INTERNAL COMBUSTION ENGINE

Title (de)
VORRICHTUNG ZUR BESTIMMUNG DER POSITION EINES VERBRENNUNGSMOTORS

Title (fr)
DISPOSITIF POUR DETERMINER LA POSITION D'UN MOTEUR A COMBUSTION INTERNE

Publication
EP 1711705 A1 20061018 (FR)

Application
EP 05717387 A 20050107

Priority
• FR 2005000041 W 20050107
• FR 0400654 A 20040123

Abstract (en)
[origin: FR2865501A1] The device has an incremental type sensor (2) with a rotating part (8) connected to a crankshaft. A fixed part (6) has an analysis unit to determine an angular position of the crankshaft with respect to a reference position for generating a signal. An engine control unit (4) has an operation state in which the unit (4) activates a fuel injector and spark plug based on the signal. The sensor is electrically supplied permanently.

IPC 8 full level
F02D 41/34 (2006.01); **F02D 41/24** (2006.01); **F02D 41/26** (2006.01)

CPC (source: EP KR US)
F02D 35/00 (2013.01 - KR); **F02D 41/009** (2013.01 - EP US); **F02D 41/24** (2013.01 - KR); **F02D 41/2403** (2013.01 - EP US); **F02D 41/266** (2013.01 - EP US); **F02D 41/34** (2013.01 - KR); **F02D 2041/0092** (2013.01 - EP US); **F02D 2041/0095** (2013.01 - EP US); **F02D 2041/285** (2013.01 - EP US)

Citation (search report)
See references of WO 2005080777A1

Designated contracting state (EPC)
DE GB IT SE

DOCDB simple family (publication)
FR 2865501 A1 20050729; **FR 2865501 B1 20060310**; DE 602005001320 D1 20070719; DE 602005001320 T2 20080207; DE 602005001320 T8 20080515; EP 1711705 A1 20061018; EP 1711705 B1 20070606; JP 2007518930 A 20070712; JP 4728967 B2 20110720; KR 20070011272 A 20070124; US 2008228371 A1 20080918; US 7536250 B2 20090519; WO 2005080777 A1 20050901

DOCDB simple family (application)
FR 0400654 A 20040123; DE 602005001320 T 20050107; EP 05717387 A 20050107; FR 2005000041 W 20050107; JP 2006550222 A 20050107; KR 20067014799 A 20060721; US 58664505 A 20050107