

Title (en)

Sensor arrangement and motor control for an internal combustion engine

Title (de)

Sensoranordnung und Motorsteuerungseinrichtung für einen Verbrennungsmotor

Title (fr)

Agencement de capteurs et dispositif de commande de moteur électrique pour moteur à combustion interne

Publication

**EP 0889213 B1 20031015 (DE)**

Application

**EP 98111377 A 19980620**

Priority

DE 19728349 A 19970703

Abstract (en)

[origin: EP0889213A2] The device has at least two sensors (7a,7b,7c,10) for detecting the air intake mass flow, the air intake temperature, the suction intake pressure and/or the throttle position, providing values used for calculation of the engine load, for regulation of the throttle position. The sensors are micro-integrated in a module (2), inserted in the air intake (4), together with the engine load calculation device (8) and/or the throttle position regulator for the throttle position regulation circuit.

IPC 1-7

**F02D 11/10**; **F02D 41/28**

IPC 8 full level

**F02D 11/10** (2006.01); **F02D 41/24** (2006.01); **F02D 41/28** (2006.01); **F02D 9/02** (2006.01)

CPC (source: EP US)

**F02D 11/10** (2013.01 - EP US); **F02D 41/28** (2013.01 - EP US); **F02D 41/187** (2013.01 - EP US); **F02D 2009/0294** (2013.01 - EP US); **F02D 2200/0404** (2013.01 - EP US); **F02D 2200/0406** (2013.01 - EP US); **F02D 2200/0414** (2013.01 - EP US); **F02D 2400/08** (2013.01 - EP US)

Cited by

CN103080713A; EP1108986A1; EP1081356A3; US6499461B2; US6494186B1; WO2010145877A1; WO2012028385A1; WO2004015254A1; WO0123731A1

Designated contracting state (EPC)

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