

Title (en)

DEVICE FOR PRESSURE-BASED LOAD DETECTION

Title (de)

VORRICHTUNG ZUR DRUCKBASIERTEN LASTERFASSUNG

Title (fr)

DISPOSITIF DE DETECTION DE CHARGE SUR LA BASE D'UNE PRESSION

Publication

**EP 1934452 A1 20080625 (DE)**

Application

**EP 06792231 A 20060922**

Priority

- EP 2006009229 W 20060922
- DE 102005046504 A 20050929

Abstract (en)

[origin: DE102005046504A1] Device for determining the air mass (LM) flowing in the cylinder combustion chamber of an engine cylinder of a vehicle comprises a sensor arrangement (S S D) for directly measuring the suction tube pressure (P S D) and having a measuring region so that the suction tube pressure can be measured using the sensor arrangement in a lower suction tube pressure partial region and a calculating module (M S D) for indirectly measuring the suction tube pressure. The device is structured so that the incoming air mass is determined within the lower suction tube pressure partial region depending on the suction tube pressure measured using the sensor arrangement. Preferred Features: The suction tube pressure over the whole suction tube pressure region is determined via the calculating module.

IPC 8 full level

**F02D 41/18** (2006.01)

CPC (source: EP US)

**F02D 41/18** (2013.01 - EP US); **F02D 41/2474** (2013.01 - EP US); **F02D 2200/0402** (2013.01 - EP US); **F02D 2200/0406** (2013.01 - EP US); **F02D 2200/0408** (2013.01 - EP US)

Citation (search report)

See references of WO 2007036330A1

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