

Title (en)

SCANNING METHOD FOR PRESSURE SENSORS USED IN THE PRESSURE-BASED DETECTION OF FILLING LEVELS

Title (de)

ABTASTVERFAHREN FÜR DRUCKSENSOREN BEI DRUCKBASIERTER FÜLLUNGSERFASSUNG

Title (fr)

PROCEDE DE BALAYAGE POUR DETECTEURS DE PRESSION UTILISES DANS LA DETECTION DE NIVEAUX DE REMPLISSAGE, BASEE SUR LA PRESSION

Publication

**EP 1280987 B1 20051228 (DE)**

Application

**EP 01936012 A 20010502**

Priority

- DE 0101635 W 20010502
- DE 10021647 A 20000504

Abstract (en)

[origin: WO0183968A1] The invention relates to a method for scanning a sensor that senses a pressure signal and the pressure signals of a pressure-signal based cylinder filling calculation for the purpose of calculating the refilling of the cylinders of an internal combustion engine with fresh gas. At the point in time (9) when the inlet valves on the respective cylinders of an internal combustion engine are closed the pressure signal (1) is sensed several times in succession by a scanning sequence (10) of individual pulses (12).

IPC 1-7

**F02D 35/02**

IPC 8 full level

**G01L 23/24** (2006.01); **F02D 35/02** (2006.01); **F02D 45/00** (2006.01)

CPC (source: EP US)

**F02D 35/023** (2013.01 - EP US); **F02D 41/18** (2013.01 - EP US); **F02D 2041/001** (2013.01 - EP US); **F02D 2200/0406** (2013.01 - EP US); **F02D 2250/14** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

**WO 0183968 A1 20011108**; DE 10021647 A1 20011115; DE 50108551 D1 20060202; EP 1280987 A1 20030205; EP 1280987 B1 20051228; JP 2003532019 A 20031028; US 2002170345 A1 20021121; US 6675638 B2 20040113

DOCDB simple family (application)

**DE 0101635 W 20010502**; DE 10021647 A 20000504; DE 50108551 T 20010502; EP 01936012 A 20010502; JP 2001580561 A 20010502; US 3064402 A 20020603