

Title (en)

METHOD FOR CORRECTING A MEASURED CYLINDER PRESSURE OF AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN ZUR KORREKTUR EINES GEMESSENEN ZYLINDERDRUCKES EINER BRENNKRAFTMASCHINE

Title (fr)

PROCEDE DE CORRECTION DE LA PRESSION MESUREE DANS LE CYLINDRE D'UN MOTEUR A COMBUSTION INTERNE

Publication

**EP 1792154 A1 20070606 (DE)**

Application

**EP 05769867 A 20050711**

Priority

- EP 2005053309 W 20050711
- DE 102004044339 A 20040909

Abstract (en)

[origin: WO2006027285A1] Disclosed is a method for correcting a measured cylinder pressure of an internal combustion engine in which a cylinder pressure sensor (16) is connected to a combustion chamber (4) via a duct (21). According to the inventive method, interference portions resulting from whistling vibrations are suppressed by determining a frequency of a gas column vibration generated in the duct (21) during a working stroke and filtering the measured values of the cylinder pressure sensor (16) at the previously determined oscillation frequency by means of a band elimination filter.

IPC 8 full level

**G01L 23/08** (2006.01)

CPC (source: EP KR US)

**G01L 23/08** (2013.01 - EP KR US); **G01L 27/00** (2013.01 - KR); **G01M 15/08** (2013.01 - KR)

Citation (search report)

See references of WO 2006027285A1

Designated contracting state (EPC)

FR GB IT

DOCDB simple family (publication)

**DE 102004044339 A1 20060316**; CN 101014845 A 20070808; CN 101014845 B 20100505; EP 1792154 A1 20070606; JP 2008512600 A 20080424; KR 20070057170 A 20070604; US 2008173070 A1 20080724; US 7543484 B2 20090609; WO 2006027285 A1 20060316

DOCDB simple family (application)

**DE 102004044339 A 20040909**; CN 200580030379 A 20050711; EP 05769867 A 20050711; EP 2005053309 W 20050711; JP 2007530685 A 20050711; KR 20077005453 A 20070308; US 66237205 A 20050711