

Title (en)

DEVICE FOR DIRECTLY MEASURING ON A PISTON THE EFFECTIVE VOLUMETRIC RATIO OF A VARIABLE COMPRESSION RATIO ENGINE

Title (de)

VORRICHTUNG ZUR DIREKT AM KOLBEN STATTFINDENDEN MESSUNG DER EFFEKTIVEN VOLUMETRISCHEN RATE EINES MOTORS MIT VARIABLEM KOMPRESSIONSVERHÄLTNIS

Title (fr)

DISPOSITIF PERMETTANT DE MESURER DIRECTEMENT SUR LE PISTON LE RAPPORT VOLUMÉTRIQUE EFFECTIF D'UN MOTEUR A TAUX DE COMPRESSION VARIABLE

Publication

EP 2173989 B1 20141015 (FR)

Application

EP 08805485 A 20080416

Priority

- FR 2008000530 W 20080416
- FR 0702731 A 20070416
- US 90778407 P 20070417

Abstract (en)

[origin: WO2008145837A1] The invention relates to a device for measuring the effective volumetric ratio of at least one cylinder in a variable compression-ratio engine, that comprises at least one target passage sensor (91) attached on the cylinder casing (100) and detecting the passage of at least one target (92) connected to the piston (2) of said engine, said target passage sensor interacting with at least one angular position sensor of the crankshaft (93) of said engine, and one calculator (94).

IPC 8 full level

F02B 75/04 (2006.01); **F02D 15/02** (2006.01)

CPC (source: EP KR US)

F01B 9/047 (2013.01 - EP US); **F02B 75/04** (2013.01 - KR); **F02B 75/048** (2013.01 - EP US); **F02B 77/08** (2013.01 - EP US); **F02D 15/02** (2013.01 - EP KR US); **F02D 35/00** (2013.01 - KR)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2914950 A1 20081017; **FR 2914950 B1 20120615**; AU 2008257318 A1 20081204; AU 2008257318 B2 20111222; CA 2681631 A1 20081204; CA 2681631 C 20140729; CN 101680364 A 20100324; CN 101680364 B 20120516; EP 2173989 A1 20100414; EP 2173989 B1 20141015; ES 2527947 T3 20150202; JP 2010525208 A 20100722; JP 5167339 B2 20130321; KR 101387809 B1 20140421; KR 20090129518 A 20091216; US 2010107746 A1 20100506; US 8065909 B2 20111129; WO 2008145837 A1 20081204

DOCDB simple family (application)

FR 0702731 A 20070416; AU 2008257318 A 20080416; CA 2681631 A 20080416; CN 200880020204 A 20080416; EP 08805485 A 20080416; ES 08805485 T 20080416; FR 2008000530 W 20080416; JP 2010503545 A 20080416; KR 20097023671 A 20080416; US 59639108 A 20080416