

Title (en)

Method to balance the cylinders of a combustion engine with sensors for each cylinder

Title (de)

Vorrichtung zur Zylindernbalancierung einer Brennkraftmaschine mit einem Sensor für jeden Zylinder

Title (fr)

Système pour équilibrer des cylindres dans un moteur à combustion interne avec un capteur par cylindre

Publication

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Application

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Priority

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Abstract (en)

[origin: EP1593825A1] The invention relates to a method to balance the cylinders of a combustion engine with cylinder-individual sensors (3), wherein these sensors (3) are balanced themselves by adjusting their gains or offsets. The sensors (3) are balanced by balancing the engine (1) with a single sensor (6) in the operating region where this is possible and then adapting the sensor gains or offsets to get balanced readings from the cylinder-individual sensors (3). Once this has been done, the engine (1) can be balanced in the whole operating range. The balancing may be done, for example, based on the indicated mean effective pressure (IMEP) or the cylinder-individual heat release. <IMAGE>

IPC 8 full level

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Cited by

CN108071512A; KR101030161B1; DE102006032172A1; DE102006032172B4; US7853393B2; US7894977B2; WO2008003600A1; WO2007137912A1; US9541018B2

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