

Title (en)

METHOD AND SYSTEM FOR BALANCING THE CYLINDERS OF A DIESEL ENGINE

Title (de)

VERFAHREN UND SYSTEM ZUM AUSGLEICH DER ZYLINDER EINES DIESELMOTORS

Title (fr)

PROCÉDÉ ET SYSTÈME D'ÉQUILIBRAGE DES CYLINDRES D'UN MOTEUR DIESEL

Publication

**EP 2310655 B1 20160406 (EN)**

Application

**EP 09754028 A 20090526**

Priority

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- FI 20085496 A 20080526

Abstract (en)

[origin: WO2009144374A1] A method of balancing the cylinders (3) of a diesel engine (2), in which method the starting moment of the combustion process in each cylinder (3) is defined and the defined starting moment of the combustion process is compared to a specific set value. The starting moment of fuel injection into the cylinders (3) is changed, if the defined starting moment of the combustion process differs from the set value. In addition, the exhaust gas temperature of each cylinder is measured and the duration of fuel injection into the cylinders (3) is changed on the basis of the exhaust gas temperatures in order to equalise the outputs produced by the cylinders.

IPC 8 full level

**F02D 41/00** (2006.01); **F02D 35/02** (2006.01); **F02D 41/14** (2006.01)

CPC (source: EP FI)

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Citation (examination)

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**WO 2009144374 A1 20091203**; CN 102046946 A 20110504; CN 102046946 B 20160309; CN 102046949 A 20110504; EP 2310654 A1 20110420; EP 2310654 B1 20190828; EP 2310655 A1 20110420; EP 2310655 B1 20160406; FI 122489 B 20120215; FI 122491 B 20120215; FI 20085496 A0 20080526; FI 20085496 A 20091127; FI 20095576 A0 20090526; FI 20095576 A 20091127; KR 101516039 B1 20150504; KR 101770430 B1 20170905; KR 20110021833 A 20110304; KR 20110031154 A 20110324; KR 20150129044 A 20151118; RU 2010153310 A 20120710; RU 2494270 C2 20130927; WO 2009144375 A1 20091203

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**FI 2009050436 W 20090526**; CN 200980119581 A 20090526; CN 200980119582 A 20090526; EP 09754027 A 20090526; EP 09754028 A 20090526; FI 20085496 A 20080526; FI 2009050437 W 20090526; FI 20095576 A 20090526; KR 20107026998 A 20090526; KR 20107026999 A 20090526; KR 20157030853 A 20090526; RU 2010153310 A 20090526