

Title (en)  
METHOD FOR ADAPTING TRANSIENT COMPENSATION

Title (de)  
VERFAHREN ZUR ANPASSUNG DER ÜBERGANGSKOMPENSATION

Title (fr)  
PROCÉDÉ D'ADAPTATION DE LA COMPENSATION TRANSITOIRE

Publication  
**EP 2984323 A1 20160217 (DE)**

Application  
**EP 14704329 A 20140212**

Priority  
• DE 102013206551 A 20130412  
• EP 2014052709 W 20140212

Abstract (en)  
[origin: WO2014166654A1] The invention relates to a method for adapting transient compensation on the basis of a lambda-value change to operate an internal combustion engine comprising a combustion chamber. The combustion chamber comprises a first inlet port, connected to a first intake tube, in which tube a first injection valve is arranged. The combustion chamber further comprises a second inlet port, connected to a second intake tube, in which tube a second injection valve is arranged. In a normal mode of operation, a predetermined fuel quantity is injected, the predetermined fuel quantity being composed of a first fuel quantity to be injected through the first inlet valve and a second fuel quantity to be injected through the second inlet valve. In a first method step, the first injection valve remains closed and in a second method step, the first injection valve is opened again, wherein in the second method step, a first test fuel quantity is injected into the combustion chamber via the first inlet port and a second test fuel quantity via the second inlet port, the first test fuel quantity and the second test fuel quantity adding up to the predetermined fuel quantity.

IPC 8 full level  
**F02D 41/04** (2006.01); **F02D 41/24** (2006.01); **F02D 41/30** (2006.01)

CPC (source: EP RU US)  
**F02D 41/047** (2013.01 - EP RU US); **F02D 41/2454** (2013.01 - EP RU US); **F02D 41/263** (2013.01 - US); **F02D 41/3011** (2013.01 - RU US); **F02D 41/3064** (2013.01 - EP US); **F02D 41/3094** (2013.01 - EP US)

Citation (examination)  
• DE 10252214 A1 20040527 - IAV GMBH [DE]  
• DE 4420946 A1 19951221 - BOSCH GMBH ROBERT [DE]  
• US 5819714 A 19981013 - BUSH KEVIN J [US], et al  
• DE 102006033933 A1 20080124 - BOSCH GMBH ROBERT [DE]  
• DE 102007005381 A1 20080807 - BOSCH GMBH ROBERT [DE]  
• See also references of WO 2014166654A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**DE 102013206551 A1 20141016**; BR 112015025552 A2 20170718; BR 112015025552 B1 20220329; CN 105143647 A 20151209; CN 105143647 B 20180731; EP 2984323 A1 20160217; JP 2016514800 A 20160523; JP 6220444 B2 20171025; KR 102121722 B1 20200611; KR 20150139862 A 20151214; RU 2015148493 A 20170522; RU 2649308 C2 20180402; RU 2649308 C9 20180504; US 2016084183 A1 20160324; US 9926869 B2 20180327; WO 2014166654 A1 20141016

DOCDB simple family (application)  
**DE 102013206551 A 20130412**; BR 112015025552 A 20140212; CN 201480021028 A 20140212; EP 14704329 A 20140212; EP 2014052709 W 20140212; JP 2016506813 A 20140212; KR 20157028218 A 20140212; RU 2015148493 A 20140212; US 201414783128 A 20140212