

Title (en)  
METHOD FOR THE VARIABLE ADJUSTMENT OF A COMPRESSION RATIO OF A COMBUSTION CHAMBER OF AN INTERNAL COMBUSTION ENGINE

Title (de)  
VERFAHREN ZUM VARIABLEN EINSTELLEN EINES VERDICHUNGSVERHÄLTNISSES EINES BRENNRAUMS EINER VERBRENNUNGSKRAFTMASCHINE

Title (fr)  
PROCÉDÉ DE RÉGLAGE VARIABLE DU TAUX DE COMPRESSION D'UNE CHAMBRE DE COMBUSTION D'UN MOTEUR À COMBUSTION INTERNE

Publication  
**EP 2764228 A1 20140813 (DE)**

Application  
**EP 12756109 A 20120904**

Priority  
• DE 102011115415 A 20111008  
• EP 2012003698 W 20120904

Abstract (en)  
[origin: WO2013050098A1] The invention relates to a method for the variable adjustment of a compression ratio of a combustion chamber, in particular a cylinder, of an internal combustion machine, according to which said compression ratio is adjusted by means of a device (36) of a piston (14) which is associated with the combustion chamber (14) and which is coupled by means of respective coupling areas (22, 24) to a piston pin (10) for joining the piston (14) to a connecting rod (16) of the internal combustion engine. According to the invention, for adjusting the compression ratio, a rotation of the piston pin (10) associated with the device (36) is provoked, in relation to the piston, said piston pin comprising at least one eccentric element (23) which is eccentrically arranged in relation to the joining area (22) of the piston pin (10), for joining the piston pin (10) to connecting rod (16).

IPC 8 full level  
**F02D 15/02** (2006.01); **F02B 75/04** (2006.01); **F16J 1/16** (2006.01)

CPC (source: EP US)  
**F02B 75/045** (2013.01 - EP US); **F02D 15/02** (2013.01 - EP US)

Citation (search report)  
See references of WO 2013050098A1

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

DOCDB simple family (publication)  
**WO 2013050098 A1 20130411**; CN 103874836 A 20140618; DE 102011115415 A1 20130411; EP 2764228 A1 20140813; EP 2764228 B1 20150429; JP 2014530319 A 20141117; US 2015040870 A1 20150212

DOCDB simple family (application)  
**EP 2012003698 W 20120904**; CN 201280049372 A 20120904; DE 102011115415 A 20111008; EP 12756109 A 20120904; JP 2014533776 A 20120904; US 201214350311 A 20120904