

Title (en)  
HYDRAULIC SUPPLY FOR A VARIABLE COMPRESSION RATIO ENGINE

Title (de)  
HYDRAULISCHE ZUFUHR FÜR EINEN MOTOR MIT VARIABLER VERDICHTUNG

Title (fr)  
CENTRALE HYDRAULIQUE POUR MOTEUR A TAUX DE COMPRESSION VARIABLE

Publication  
**EP 2179155 A2 20100428 (FR)**

Application  
**EP 08832670 A 20080718**

Priority  
• FR 2008001059 W 20080718  
• FR 0705237 A 20070719  
• US 97127507 P 20070911

Abstract (en)  
[origin: FR2919022A1] The generator (200) has a compressed air and engine oil pressure accumulator (251) connected to an inlet of a multi-stage pressure multiplier (241), where the accumulator comprises an oil reservoir with an air pressure sensor. The multiplier has mixed medium pressure applied to a pressure cylinder of a variable compression ratio engine. The mixed medium pressure is controlled by a stage selection solenoid valve (285) and connected to an actuating cylinder of the engine.

IPC 8 full level  
**F02B 75/04** (2006.01); **F01B 9/04** (2006.01); **F02D 15/02** (2006.01); **F15B 1/027** (2006.01)

CPC (source: EP US)  
**F01B 9/047** (2013.01 - EP US); **F02B 75/04** (2013.01 - EP US); **F02B 75/045** (2013.01 - EP US); **F16K 15/1823** (2021.08 - EP US)

Citation (search report)  
See references of WO 2009037395A2

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

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**FR 2919022 A1 20090123; FR 2919022 B1 20121026**; AU 2008300450 A1 20090326; AU 2008300450 B2 20120112; CA 2692703 A1 20090326; CA 2692703 C 20130716; CN 101755112 A 20100623; CN 101755112 B 20130109; EP 2179155 A2 20100428; JP 2010533813 A 20101028; JP 5265677 B2 20130814; KR 20100049544 A 20100512; US 2010206270 A1 20100819; WO 2009037395 A2 20090326; WO 2009037395 A3 20090514

DOCDB simple family (application)  
**FR 0705237 A 20070719**; AU 2008300450 A 20080718; CA 2692703 A 20080718; CN 200880025085 A 20080718; EP 08832670 A 20080718; FR 2008001059 W 20080718; JP 2010516540 A 20080718; KR 20107001141 A 20080718; US 66906508 A 20080718