

Title (en)  
ENGINE WITH VARIABLE STROKE CHARACTERISTICS

Title (de)  
MOTOR MIT VARIABLEN HUBEIGENSCHAFTEN

Title (fr)  
MOTEUR PRÉSENTANT DES CARACTÉRISTIQUES DE COURSES VARIABLES

Publication  
**EP 2063086 A4 20090930 (EN)**

Application  
**EP 07806675 A 20070904**

Priority

- JP 2007067220 W 20070904
- JP 2006247263 A 20060912
- JP 2006253135 A 20060919
- JP 2006259577 A 20060925
- JP 2006259579 A 20060925
- JP 2006259580 A 20060925
- JP 2006259581 A 20060925
- JP 2006278791 A 20061012
- JP 2006326100 A 20061201

Abstract (en)  
[origin: EP2063086A1] A variable stroke characteristic engine in which a piston (11) and a crankshaft (30) are linked to a control shaft (65) via a variable stroke link mechanism (LV), and the variable stroke link mechanism (LV) is operated by a hydraulic actuator (AC) that drives the control shaft (65) to thus make the stroke travel of the piston (11) variable, in which the hydraulic actuator (AC) is formed from a housing (HU), a cover member covering an aperture of the housing (HU), a vane case provided integrally within the housing (HU), and a vane shaft (66) housed within the vane case, and the vane shaft (66) is formed integrally with the control shaft (65). The number of components of the actuator (AC) can be decreased, and its ease of assembly can be improved.

IPC 8 full level  
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CPC (source: EP)  
**F02B 75/048** (2013.01); **F02D 15/02** (2013.01); **F15B 15/12** (2013.01)

Citation (search report)

- [XY] JP 2005083203 A 20050331 - MITSUBISHI ELECTRIC CORP, et al
- [Y] JP S4840694 U 19730523
- [Y] JP H0344209 U 19910424
- [Y] EP 1674693 A2 20060628 - HONDA MOTOR CO LTD [JP]
- [Y] JP 2003322036 A 20031114 - NISSAN MOTOR, et al
- See references of WO 2008032609A1

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