

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 A1 20090527 (EN)

Application

EP 07806675 A 20070904

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- 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)

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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