

Title (en)
Internal combustion reciprocating piston engine

Title (de)
Hubkolben-Verbrennungsmotor

Title (fr)
Moteur à combustion à piston élévateur

Publication
EP 1811151 A3 20080702 (DE)

Application
EP 06025534 A 20061211

Priority
DE 102006003737 A 20060124

Abstract (en)
[origin: US2007169739A1] A reciprocating-piston internal combustion engine has a crank drive and a transmission lever indirectly coupled with the piston and intersecting the cylinder axis. The lever is articulated onto the crank drive's connecting rod and onto an adjustable bearing guided in the cylinder block. For greater variation of the translation of movements between crank drive and piston, the pulling and pushing rod connected with the piston has a guide at its end facing the transmission lever. The guide is preferably a pivotally-mounted slide shoe that engages into a guide extending along the transmission lever. The transmission lever is pivotally connected with the crankshaft connecting rod and connected with a setting drive for variably setting the articulation of the pulling and pushing rod on the transmission lever. A guide lever pivotally connected with the pulling and pushing rod and pivotally articulated onto the cylinder block guides the pulling and pushing rod.

IPC 8 full level
F02B 75/04 (2006.01); **F01B 9/02** (2006.01)

CPC (source: EP KR US)
F01B 9/02 (2013.01 - KR); **F02B 75/00** (2013.01 - KR); **F02B 75/04** (2013.01 - KR); **F02B 75/048** (2013.01 - EP US)

Citation (search report)
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• [A] WO 2004018854 A1 20040304 - MAYFLOWER ENGINES LTD [GB], et al
• [A] DE 4317226 A1 19941201 - SCHWEIZER VIKTOR DIPL ING FH [DE]
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Designated contracting state (EPC)
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Designated extension state (EPC)
AL BA HR MK RS

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KR 101332561 B1 20131122; KR 20070077797 A 20070727

DOCDB simple family (application)
US 65675207 A 20070123; AT 06025534 T 20061211; DE 102006003737 A 20060124; DE 502006008011 T 20061211;
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