

Title (en)  
High-output engine structure

Title (de)  
Hochleistungsbrennkraftmaschinenstruktur

Title (fr)  
Structure d'un moteur à haut rendement

Publication  
**EP 1424484 A1 20040602 (EN)**

Application  
**EP 03006561 A 20030324**

Priority  
EP 03006561 A 20030324

Abstract (en)  
A high-performance engine is constructed to include a cylinder (11), a piston (12) adapted to reciprocate in the cylinder (11), a crank (16), and a link (15) coupled between the crank (16) and the piston (12), the link (15) having a first end fixedly provided with an eccentric axle bush (14) fastened pivotally with a pivot pin (13) at the piston (12) and a second end pivoted to the crank (16) such that when the piston (12) moved to an upper limit position, the link (15) is at an eccentric position relative to the piston (12) and pivoted to one end of the crank (16) at an offset location away from the axis (a) passing through the center of the piston (12) and the axis of rotation of the crank. <IMAGE>

IPC 1-7  
**F02F 7/00**; F02B 75/04; F02D 15/04

IPC 8 full level  
**F02B 75/04** (2006.01); **F02D 15/04** (2006.01); **F02F 7/00** (2006.01)

CPC (source: EP)  
**F02B 75/045** (2013.01); **F02D 15/04** (2013.01); **F02F 7/0019** (2013.01)

Citation (search report)  
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