

Title (en)

Connecting rod for an internal combustion engine and process for achieving a variable compression ratio

Title (de)

Pleuelstange für eine Brennkraftmaschine und Verfahren zur Realisierung eines variablen Verdichtungsverhältnisses

Title (fr)

Bielle pour un moteur à combustion interne et méthode de réalisation d'une compression variable

Publication

EP 1610008 B1 20090826 (DE)

Application

EP 04102913 A 20040623

Priority

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Abstract (en)

[origin: EP1610008A1] Connecting rod comprises an artificial muscle which changes its geometric shape by activation. The longitudinal change of the connecting rod is provided by a variable sealing ratio. An independent claim is also included for a process for realizing a variable sealing ratio in an I.C. engine. Preferred Features: The artificial muscle expands on activating and the connecting rod changes in length in this manner. The artificial muscle is a carbon nano-tube or a polymer gel. The artificial muscle can be electrically controlled.

IPC 8 full level

F02B 75/04 (2006.01); **F16C 7/06** (2006.01)

CPC (source: EP)

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