

Title (en)

VARIABLE-LENGTH CONNECTING ROD FOR AN ENGINE WITH A CONTROLLED COMPRESSION RATIO

Title (de)

LÄNGENVERÄNDERLICHE PLEUELSTANGE FÜR EINEN MOTOR MIT GEREGETEM VERDICHUNGSVERHÄLTNIS

Title (fr)

BIELLE A LONGUEUR VARIABLE POUR MOTEUR A RAPPORT VOLUMETRIQUE PILOTE

Publication

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Application

EP 20817454 A 20201104

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Abstract (en)

[origin: WO2021089940A1] The invention relates to a variable-length connecting rod (10) comprising: - A connecting rod head (102), designed to establish a pivot connection with a crankpin of a crankshaft, - A hydraulic circuit (104) for controlling the length of the connecting rod (10), - A system for controlling (110) the hydraulic circuit. The control system (110) comprising: - At least one linear hydraulic slide (111) arranged within a housing of the connecting rod head (102), - At least a first shoe (113) arranged on a sidewall of the connecting rod head (102), suitable for undergoing a bearing force exerted by a controlling member, the bearing force allowing the slide (111) to be moved, - A return means for bringing the slide (111) back to its resting position in the absence of the bearing force, - At least a second shoe (115) arranged on the sidewall of the connecting rod head (102) and suitable for undergoing the bearing force.

IPC 8 full level

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CPC (source: EP KR US)

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