

Title (en)

HEAT ENGINE PROVIDED WITH AN IMPROVED SYSTEM FOR VARYING THE COMPRESSION RATIO

Title (de)

WÄRMEKRAFTMASCHINE MIT VERBESSERTEM SYSTEM ZUR VERÄNDERUNG DER VERDICHTUNG

Title (fr)

MOTEUR THERMIQUE MUNI D'UN SYSTÈME DE VARIATION DU TAUX DE COMPRESSION AMÉLIORÉ

Publication

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Application

EP 17726657 A 20170602

Priority

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- EP 2017063494 W 20170602

Abstract (en)

[origin: WO2017211727A1] The invention relates to a heat engine, including a system (11) for varying a compression ratio, which comprises: a crankshaft (12) including at least one crank pin (13) and at least one arm (17); at least one eccentric part (21) rotatably mounted on said crank pin (13), said eccentric part (21) including an eccentric outer surface (25) intended for engaging with one end of a connecting rod, as well as at least one toothed ring gear (28); a control device (31) for controlling the angular position of said eccentric part (21), characterised in that said control device (31) includes: an actuating shaft (32) provided with an actuating pinion (33); at least one intermediate shaft (40) passing axially, from side to side, through a journal (14) and said arm (17) of said crankshaft (12) via a corresponding bore, said intermediate shaft (40) being provided with a first intermediate pinion (41) meshing with said actuating pinion (33) and a second intermediate pinion (41') meshing with an eccentric part (21).

IPC 8 full level

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Citation (search report)

See references of WO 2017211727A1

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