

Title (en)

HYDRAULIC CONTROL SYSTEM FOR A VARIABLE COMPRESSION RATIO ENGINE

Title (de)

HYDRAULISCHES STEUERUNGSSYSTEM FÜR EINEN MOTOR MIT VARIABLEM VERDICHTUNGSVERHÄLTNIS

Title (fr)

SYSTEME HYDRAULIQUE DE COMMANDE POUR UN MOTEUR A TAUX DE COMPRESSION VARIABLE

Publication

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Application

EP 20841973 A 20201204

Priority

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Abstract (en)

[origin: WO2021111088A1] The invention relates to a hydraulic control system (3) for a variable compression ratio engine, comprising: - a control cylinder (30) comprising a piston (30a), a body (30b) in which two hydraulic chambers (31, 32) with equivalent sections are defined on either side of the piston (30a) and a return device (34) arranged in one of the chambers (31), - a hydraulic control circuit (37) comprising: - at least one duct (37b, 37c) connecting the two chambers (31,32) to each other, and a controlled fluid discharging device (372) for establishing or blocking a fluid communication between the chambers, - at least one duct (37d) connecting one of the chambers (32) to a low-pressure oil supply (60), and a refill valve (373), - at least one duct (37e) connecting an oil outlet (70) to at least one of the chambers (32), and a relief valve (374).

IPC 8 full level

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CPC (source: EP US)

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See references of WO 2021111088A1

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