

Title (en)

COMBUSTION ENGINE AND OPERATING METHOD THEREOF

Title (de)

VERBRENNUNGSMOTOR UND VERFAHREN ZU DESSEN BETRIEB

Title (fr)

MOTEUR À COMBUSTION INTERNE ET SON PROCÉDÉ DE FONCTIONNEMENT

Publication

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Application

EP 19170058 A 20190418

Priority

DE 102018003476 A 20180424

Abstract (en)

[origin: US2019323418A1] An internal combustion engine has a cylinder with a combustion chamber and a piston supported reciprocally in the cylinder and delimiting the combustion chamber. A crankcase is connected to the cylinder and a crankshaft is rotatably supported therein. The piston is operatively connected to the crankshaft so as to drive the crankshaft in rotation. A transfer passage provides flow communication between crankcase interior and combustion chamber when the piston is at bottom dead center. The transfer passage has a port opening connecting the transfer passage to the crankcase interior and has a transfer port connecting the transfer passage to the combustion chamber. A fuel supply device supplies fuel into the transfer passage at a location between the transfer port and the port opening. The transfer passage has a connecting opening and is connected to the crankcase interior at the connecting opening. A control element controls the connecting opening.

IPC 8 full level

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CPC (source: CN EP US)

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