

Title (en)
INTERNAL COMBUSTION ENGINE

Title (de)
BRENNKRAFTMASCHINE

Title (fr)
MOTEUR À COMBUSTION INTERNE

Publication
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Application
EP 14787299 A 20141008

Priority
• JP 2013212794 A 20131010
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Abstract (en)
[origin: WO2015052930A1] An internal combustion engine includes: a plurality of cams that are used for driving a valve; a cam-switching type variable operated-valve structure that has a locker arm portion and a plurality of hydraulic linking structures, the locker arm portion having a plurality of oscillation portions that individually oscillate according to cam profiles of the cams and mediate power conducted from a camshaft having the cams to the valve, the plurality of linking structures performing linking and canceling the linking between two of the plurality of oscillation portions with a lock member, the variable operated-valve structure selecting a usage cam that is used for driving the valve from the cams; and a determination unit that determines at least one of a condition of the lock member and a switching phase of the usage cam according to the condition of the lock member based on changing of a hydraulic pressure according to the switching of the usage cam.

IPC 8 full level
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