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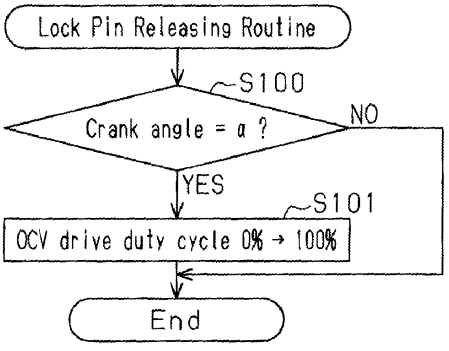
(54) CONTROL DEVICE FOR OIL PRESSURE VALVE VARIABLE TIMING MECHANISM

(57) In a hydraulic variable valve timing mechanism comprising a lock pin that locks a vane rotor and a housing against relative rotation in the most retarding phase, a specified angle α is set so that release of the lock pin is started at a time when positive cam torque acts on the vane rotor. When the crank angle reaches the specified angle α_1 supply of hydraulic pressure to the advancing oil chamber is started to release the lock pin from the engagement with the lock hole, thereby enabling a reliable release of the lock pin prior to start of change of valve timing.

Fig.5



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