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2013-137515 28 June 2013 (28.06.2013) JP(71) Applicants: **TOYOTA JIDOSHA KABUSHIKI KAISHA** [JP/JP]; 1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571 (JP). **AISIN AW CO., LTD.** [JP/JP]; 10, Takane, Fujii-cho, Anjo-shi, Aichi-ken 444-1192 (JP).(72) Inventors: **NATORI, Akio**; c/o TOYOTA JIDOSHA KABUSHIKI KAISHA, of 1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571 (JP). **SAWADA, Makoto**; c/o TOYOTA JIDOSHA KABUSHIKI KAISHA, of 1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571 (JP). **WATANABE, Kiyoshi**; c/o AISIN AW CO., LTD., of 10, Takane, Fujii-cho,Anjo-shi, Aichi-ken 444-1192 (JP). **TORII, Takeshi**; c/o AISIN AW CO., LTD., of 10, Takane, Fujii-cho, Anjo-shi, Aichi-ken 444-1192 (JP). **HAYASHI, Toshiaki**; c/o AISIN AW CO., LTD., of 10, Takane, Fujii-cho, Anjo-shi, Aichi-ken 444-1192 (JP). **TAKIZAWA, Masashi**; c/o AISIN AW CO., LTD., of 10, Takane, Fujii-cho, Anjo-shi, Aichi-ken 444-1192 (JP).

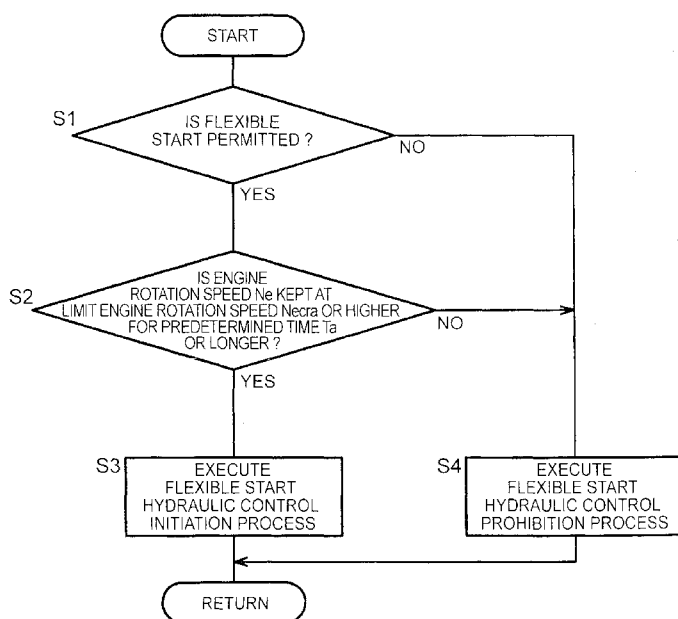
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[Continued on next page]

(54) Title: VEHICLE, AND CONTROL METHOD FOR VEHICLE

FIG. 9



(57) Abstract: When engagement of a lockup clutch is initiated, coupling of the lockup clutch is initiated in a state where a working fluid amount is sufficiently ensured by setting a condition that an engine rotation speed is higher than or equal to a limit engine rotation speed. Thus, it is possible to prevent rapid engagement of the lockup clutch. Here, the limit engine rotation speed is appropriately determined on the basis of a line pressure, and it is possible to reduce a delay of coupling of the lockup clutch by ensuring the working fluid amount while preventing rapid engagement of the lockup clutch.



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INTERNATIONAL SEARCH REPORT

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

F16H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal

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X	DE 103 60 479 A1 (AISIN AW CO [JP]) 15 July 2004 (2004-07-15) paragraph [0004] paragraph [0046] - paragraph [0052] paragraph [0075] claim 1; figures 1-7	1-7
A	----- US 6 217 481 B1 (WATANABE AKIRA [JP] ET AL) 17 April 2001 (2001-04-17) figure 1	1,7
A	----- JP 2006 226333 A (TOYOTA MOTOR CORP) 31 August 2006 (2006-08-31) cited in the application the whole document	1,7
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Further documents are listed in the continuation of Box C.



See patent family annex.

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