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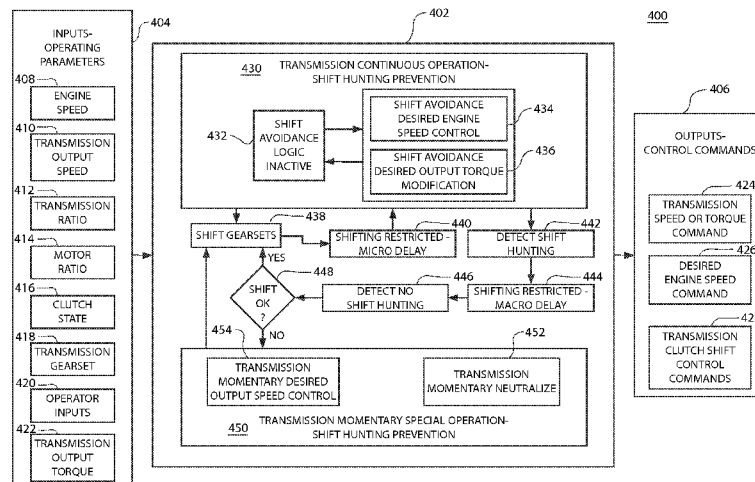
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(54) Title: SYSTEM AND METHOD TO PREVENT SHIFT HUNTING IN A POWERTRAIN

FIG. 4



(57) Abstract: A method for preventing shift hunting in a powertrain is disclosed. The powertrain includes an engine and a transmission having a variator, a first gearset, and a second gearset. The engine is operated at a first substantially constant speed. A first transmission shift condition is detected. One or more shift hunting prevention methods are selected as a function of operating parameters from a group of shift hunting prevention methods. The one or more shift hunting prevention methods are implemented as a function of detecting the first transmission shift condition.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2011/049484**A. CLASSIFICATION OF SUBJECT MATTER*****F16H 61/16(2006.01)i, F16H 61/18(2006.01)i, F16H 61/02(2006.01)i***

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 61/16; B62D 11/16; B60K 41/06; F02D 29/00; F16H 37/10; B60K 1/00; B60K 41/22; B61C 15/12

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: shift hunting

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4641548 A (GREENWOOD; C. J.) 10 February 1987 See the whole document.	1-10
A	US 6339301 B1 (WALLINGFORD; ERROL E.) 15 January 2002 See the whole document.	1-10
A	JP 61-249842 A (MAZDA MOTOR CORP.) 07 November 1986 See the whole document.	1-10
A	US 4208929 A (HEINO; DEAN L. et al.) 24 June 1980 See the whole document.	1-10

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

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"&" document member of the same patent family

Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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