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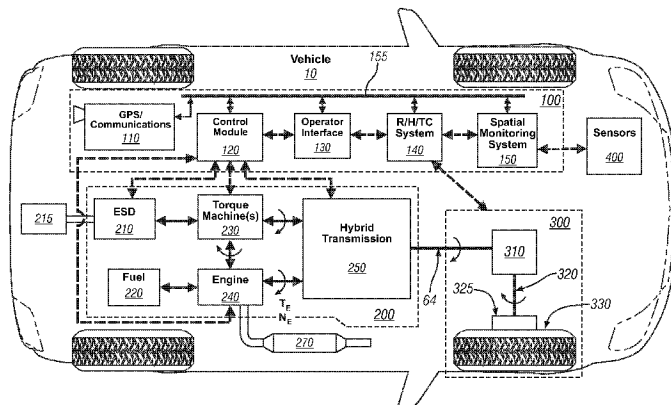


FIG. 1

(57) Abstract: A method for operating a vehicle includes estimating expected states and probable ranges for influence factors associated with stochastic parameters over a time horizon. A preferred control state and a candidate control state for an objective function are determined. The objective function is controlled using the preferred control state for the objective function over the time horizon.

WO 2010/005689 A3

A. CLASSIFICATION OF SUBJECT MATTER***B60W 20/00(2006.01)i, G01S 13/00(2006.01)i***

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B. FIELDS SEARCHED

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Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: vehicle, control, stochastic, probability, state

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2008-0065328 A1 (ANDREAS EIDEHALL et al.) 13 March 2008 See abstract, paragraphs 7-19, claims 1-3	1-15
A	JP 2008-100665 A (DENSO CORP) 01 May 2008 See abstract, paragraphs 10-26	1-15
A	JP 2007-038933 A (TOYOTA MOTOR CORP) 15 February 2007 See abstract, paragraphs 7-27	1-15

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

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JP 2007-038933 A	15.02.2007	CN 101238020 A DE 112006002019 T5 KR 10-0911636 B1 KR20080032003A US 2009-0048746 A1 WO 2007-015584 A1	06.08.2008 12.06.2008 12.08.2009 11.04.2008 19.02.2009 08.02.2007