

(57) Abstract: A system and method of controlling shift points of a transmission coupled to an internal combustion engine by modifying at least one transmission shift point schedule may comprise determining a weight of a vehicle carrying the engine and the transmission, modifying the at least one transmission shift point schedule as a function of the weight of the vehicle, and controlling automatic shifting between two or more gear ratios of the transmission in accordance with the modified at least one transmission shift point schedule.

A. CLASSIFICATION OF SUBJECT MATTER**F16H 61/02(2006.01)i, F16H 61/10(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)

IPC 8 F16H 61/02, F16H 61/10

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)

eKIPOPSS (KIPO Internal) : shift, vehicle, weight, etc.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	JP 06-094116 A (HITACHI LTD. ET AL.) 5 APRIL 1994 See claims 1-6, paragraphs 7, 9, 38-46, and Fig. 17	1-2, 22-26, 29-31, 38 3-21, 27-28, 32-37
A	JP 04-285364 A (MITSUBISHI MOTORS CORP.) 9 OCTOBER 1992	1-38
A	JP 03-121354 A (TOYOTA MOTOR CORP.) 23 MAY 1991	1-38
A	US 6567734 B (STEVEN M. BELLINGER ET AL.) 20 MAY 2003	1-38
A	US 7029419 B (JAMES M. GESSNER) 18 APRIL 2006	1-38



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" 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

International application No.

PCT/US2008/071797

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 06-094116 A	05.04.1994	US 5434780 A US 5598336 A	18.07.1995 28.01.1997
JP 04-285364 A	09.10.1992	NONE	
JP 03-121354 A	23.05.1991	NONE	
US 6567734 B	20.05.2003	NONE	
US 7029419 B	18.04.2006	DE 102004043245 A1	07.04.2005