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(71) Applicant: **HONDA MOTOR CO., LTD.** [JP/JP]; 1-1, Minami-Aoyama, 2-chome, Minato-ku, Tokyo, 107-8556 (JP).

(72) Inventors; and

(71) Applicants (for US only): **FUNG, Kin, C.** [CA/US]; c/o Honda Patents & Technologies, North America, LLC, 21001 State Route 739, Raymond, OH 43067 (US), **DICK, Timothy, J.** [US/US]; c/o Honda Patents & Technologies,

North America, LLC, 21001 State Route 739, Raymond, OH 43067 (US).

(74) Agents: **OVERBERGER, Erik, J.** et al.; Rankin Hill & Clark LLP, 23755 Lorain Road, Suite 200, North Olmsted, OH 44070 (US).

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[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR RESPONDING TO DRIVER STATE

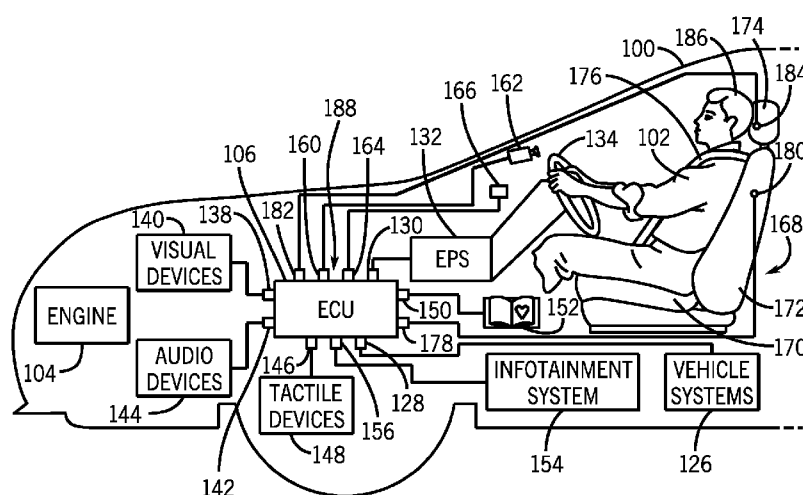


FIG.1A

(57) Abstract: A method for controlling vehicle systems includes receiving monitoring information from one or more monitoring systems and determining a plurality of driver states based on the monitoring information from the one or more monitoring systems. The method includes determining a combined driver state based on the plurality of driver states and modifying control of one or more vehicle systems based on the combined driver state.



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G06F 7/00 (2015.01)

CPC - B60K 37/06, G01C 21/26, B60K 35/00

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)
CPC: B60K 37/06, G01C 21/26, B60K 35/00Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
CPC: B60R 16/0315, B60R 16/0231; USPC: 701/36, 701/1, 340/573.1, 340/540; IPC(8): G06F 7/00 (keyword limited - see search terms below)

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

PatBase; Google; Google Scholar

Terms: automobile, motor, vehicle, sensor, monitor, operator, driver, state, posture, status, physiological, behavioral, biological, environmental, score, index, factor, data, combine, aggregate, total, average, automatic, cruise, control, lane, hazard, camera, threshold.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2007/0159344 A1 (Kisacanin) 12 July 2007 (12.07.2007), entire document, especially abstract, Fig. 3, para [0006], [0018], [0019], [0021], [0035], [0037].	1-65
Y	US 2012/0290215 A1 (Adler et al.) 15 November 2012 (15.11.2012), entire document, especially abstract, para [0004], [0028], [0043], [0044], [0128], [0137], [0157], [0289].	1-65
Y	US 2004/0088095 A1 (Eberle et al.) 06 May 2004 (06.05.2004), entire document, especially abstract, para [0007], [0010], [0014].	49-65
Y	US 2013/0245886 A1 (Fung et al.) 19 September 2013 (19.09.2013), entire document, especially abstract, para [0003], [0118].	56
A	US 2005/0155808 A1 (Braeuchle et al.) 21 July 2005 (21.07.2005), entire document.	1-65

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

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"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

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Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
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Facsimile No. 571-273-8300

Authorized officer:

Lee W. Young

PCT Helpdesk: 571-272-4300
PCT OSP: 571-272-7774