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 - with international search report (Art. 21(3))
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(54) Title: OPERATOR IDENTIFYING APPARATUS, OPERATOR IDENTIFYING METHOD, AND VEHICLE-MOUNTED APPARATUS

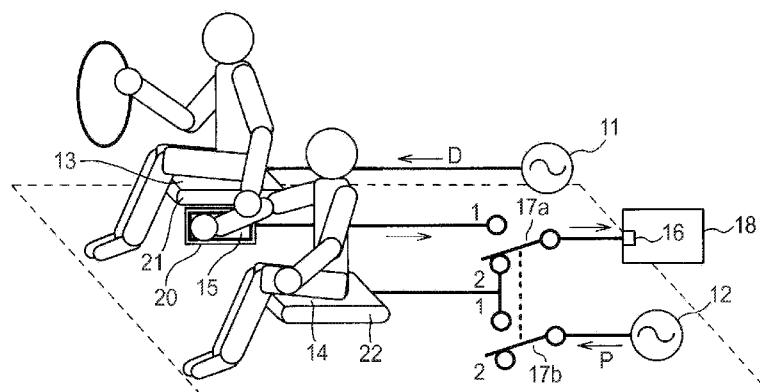


FIG. 1

(57) Abstract: An operator identifying apparatus, operator identifying method, and a vehicle-mounted apparatus.

A. CLASSIFICATION OF SUBJECT MATTER*G01C 21/26(2006.01)i, G01C 21/36(2006.01)i, B60R 11/02(2006.01)i, G06F 3/043(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: G01C 21, B60R

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 since 1975

Japanese utility models and applications for utility models since 1975

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

eKOMPASS(KIPO internal) & keywords: "operator, identify, and similar terms"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 07-103778 A (MITSUBISHI ELECTRIC CORP.) 18 Apr. 1995 See the whole document.	1-6,9-17,19-21,23
A	JP 2005-199973 A (CALSONIC KANSEI CORP.) 28 Jul. 2005 See the whole document.	1-6,9-17,19-21,23
A	JP 2006-279751 A (DENSO CORP.) 12 Oct. 2006 See the whole document.	1-6,9-17,19-21,23
A	JP 2006-193140 A (FUJITSU TEN LTD.) 27 Jul. 2006 See the whole document.	1-6,9-17,19-21,23

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

* Special categories of cited documents:

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"E" earlier application or patent but published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"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

13 JANUARY 2010 (13.01.2010)

Date of mailing of the international search report

14 JANUARY 2010 (14.01.2010)

Name and mailing address of the ISA/KR

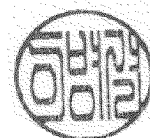
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2009/045942**Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☒ Claims Nos.: 7,8,18,22
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 07-103778 A	18.04.1995	NONE	
JP 2005-199973 A	28.07.2005	NONE	
JP 2006-279751 A	12.10.2006	NONE	
JP 2006-193140 A	27.07.2006	NONE	