

**INTERNATIONAL SEARCH REPORT**

International application No.  
PCT/JP2016/073183

**A. CLASSIFICATION OF SUBJECT MATTER**  
A63B71/06(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)  
A63B71/06, A63B69/36, G06Q50/00

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

|                           |           |                            |           |
|---------------------------|-----------|----------------------------|-----------|
| Jitsuyo Shinan Koho       | 1922-1996 | Jitsuyo Shinan Toroku Koho | 1996-2016 |
| Kokai Jitsuyo Shinan Koho | 1971-2016 | Toroku Jitsuyo Shinan Koho | 1994-2016 |

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

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                                   | Relevant to claim No. |
|-----------|--|-----------------------|
| A         | JP 2006-81696 A (NEC Corp.),<br>30 March 2006 (30.03.2006),<br>paragraphs [0148], [0151] to [0152]<br>(Family: none) | 1-13                  |
| A         | JP 2013-202408 A (Tenda Co., Ltd.),<br>07 October 2013 (07.10.2013),<br>paragraph [0061]<br>(Family: none)           | 1-13                  |
| A         | JP 5848489 B1 (Kabushiki Kaisha OGA),<br>27 January 2016 (27.01.2016),<br>paragraph [0028]<br>(Family: none)         | 1-13                  |

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

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| * Special categories of cited documents:  | "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  |
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| Date of the actual completion of the international search<br>06 October 2016 (06.10.16) | Date of mailing of the international search report<br>18 October 2016 (18.10.16) |
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PCT/JP2016/073183

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|-----------|---|-----------------------|
| A         | JP 2003-339929 A (Matsuhiko IDENO),<br>02 December 2003 (02.12.2003),<br>paragraph [0009]<br>(Family: none)   | 1-13                  |
| A         | JP 2015-211702 A (Software Factory Co., Ltd.),<br>26 November 2015 (26.11.2015),<br>paragraphs [0044] to [0047]<br>(Family: none)                             | 1-13                  |
| A         | US 2015/0238840 A1 (RUBY CO., LTD.),<br>27 August 2015 (27.08.2015),<br>abstract; claim 2<br>& JP 2015-531649 A & WO 2014/042455 A2<br>& KR 10-2014-0036973 A | 1-13                  |