

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/JP2019/017281

**A. CLASSIFICATION OF SUBJECT MATTER**

Int. Cl. A45C13/30 (2006.01) i, H04M1/11 (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)

Int. Cl. A45C13/30, H04M1/11

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

Published examined utility model applications of Japan 1922-1996  
 Published unexamined utility model applications of Japan 1971-2019  
 Registered utility model specifications of Japan 1996-2019  
 Published registered utility model applications of Japan 1994-2019

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. |
|-----------|--|-----------------------|
| X         | US 2018/0294830 A1 (NITS IZE, INC.) 11 October 2018, paragraphs [0042]-[0048], [0058], fig. 1-5, 12 & WO 2017/185078 A1 & CA 3021774 A & AU 2017252117 A & SG 112018092840 A | 1-6                   |

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  
 "E" earlier application or patent but published on or after the international filing date  
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 "P" document published prior to the international filing date but later than the priority date claimed  
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| Date of the actual completion of the international search<br>17.07.2019 | Date of mailing of the international search report<br>30.07.2019 |
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| Name and mailing address of the ISA/<br>Japan Patent Office<br>3-4-3, Kasumigaseki, Chiyoda-ku,<br>Tokyo 100-8915, Japan | Authorized officer<br><br>Telephone No. |
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