

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2017/046099

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl. B29C43/36 (2006.01) i, B29C43/04 (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. B29C43/36, B29C43/04

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

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| Published examined utility model applications of Japan | 1922-1996 |
| Published unexamined utility model applications of Japan | 1971-2018 |
| Registered utility model specifications of Japan | 1996-2018 |
| Published registered utility model applications of Japan | 1994-2018 |

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 Y | Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 95308/1982 (Laid-open No. 196115/1983) (TOYO KOGYO CO., LTD.) 27 December 1983, page 3, line 19 to page 4, line 12, page 4, line 19 to page 5, line 2, fig. 1, 2, 5 (Family: none) | 1, 2, 4-7 3 |

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 |
| “A” document defining the general state of the art which is not considered to be of particular relevance | “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 |
| “E” earlier application or patent but published on or after the international filing date | “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 |
| “L” document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | “&” document member of the same patent family |
| “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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| Date of the actual completion of the international search 02.02.2018 | Date of mailing of the international search report 20.02.2018 |
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| Name and mailing address of the ISA/ Japan Patent Office 3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan | Authorized officer Telephone No. |
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| Y | JP 2006-75543 A (DAISAN KK) 23 March 2006, paragraph [0008] (Family: none) | 3 |
| Y | JP 9-267342 A (PRESS KOGYO CO., LTD.) 04 October 1997, paragraph [0017], fig. 2 (Family: none) | 3 |
| A | WO 2016/159118 A1 (MITSUBISHI RAYON CO., LTD.) 06 October 2016, paragraphs [0010], [0014]-[0023], [0039]-[0150], fig. 1A-8 (Family: none) | 1-7 |
| A | JP 2003-170435 A (TAKEHIRO KK) 17 June 2003, paragraphs [0007]-[0024], fig. 1-3 (Family: none) | 1-7 |