

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2018/005064

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. H01L21/304 (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. H01L21/304

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 1971-2018
 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. |
|-----------|--|-----------------------|
| Y | JP 2009-21409 A (DAINIPPON SCREEN MFG. CO., LTD.) 29 January 2009, paragraphs [0006]-[0069], fig. 1-10 (Family: none) | 1-9 |
| Y | JP 2015-185668 A (SCREEN HOLDINGS CO., LTD.) 22 October 2015, paragraphs [0011]-[0044], fig. 1-4 (Family: none) | 1-9 |
| Y | JP 2016-63093 A (TOKYO ELECTRON LTD.) 25 April 2016, paragraphs [0083]-[0098], fig. 8, 9 (Family: none) | 4 |
| A | JP 2008-28008 A (DAINIPPON SCREEN MFG. CO., LTD.) 07 February 2008, entire text, all drawings (Family: none) | 1-9 |

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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 "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
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Date of the actual completion of the international search
30.03.2018

Date of mailing of the international search report
10.04.2018

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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. |
|-----------|---|-----------------------|
| A | JP 2012-151349 A (DAINIPPON SCREEN MFG. CO., LTD.) 09 August 2012, entire text, all drawings & US 2012/0186275 A1 & CN 102610491 A & KR 10-2012- 0084649 A | 1-9 |
| A | JP 2011-71401 A (DAINIPPON SCREEN MFG. CO., LTD.) 07 April 2011, entire text, all drawings (Family: none) | 1-9 |
| A | JP 2012-64760 A (DAINIPPON SCREEN MFG. CO., LTD.) 29 March 2012, entire text, all drawings (Family: none) | 1-9 |