

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2018/014169

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl. G11B5/73(2006.01)i, G11B5/82(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. G11B5/73, G11B5/82

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 07-057233 A (HITACHI, LTD.) 03 March 1995, paragraphs [0026], [0029] (Family: none)	1-8
Y	JP 2005-346880 A (TOSHIBA CORP.) 15 December 2005, claim 2, paragraph [0004] & WO 2005/122148 A1, claim 2, page 1, line 28 to page 2, line 4	1-8
Y	JP 2005-322364 A (FUJI ELECTRIC DEVICE TECHNOLOGY CO., LTD.) 17 November 2005, fig. 2 (Family: none)	2, 5-7
Y	JP 2009-160831 A (FUJIFILM CORP.) 23 July 2009, paragraphs [0024], [0044] (Family: none)	5-7
Y	JP 2006-085887 A (SHOWA DENKO KABUSHIKI KAISHA) 30 March 2006, claim 4 & US 2008/0085428 A1, claim 4 & WO 2006/019125 A1	6, 7
Y	JP 2006-260700 A (FUJITSU LTD.) 28 September 2006, paragraphs [0033]-[0035] (Family: none)	7

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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“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

“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

“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

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“&” document member of the same patent family

Date of the actual completion of the international search
20 June 2018 (20.06.2018)

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