

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/JP2019/045614

**A. CLASSIFICATION OF SUBJECT MATTER**

Int. Cl. H04N5/341 (2011.01) i, H04N5/378 (2011.01) i  
 FI: H04N5/341, H04N5/378

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. H04N5/341, H04N5/378

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 1971-2020  
 Registered utility model specifications of Japan 1996-2020  
 Published registered utility model applications of Japan 1994-2020

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 A	WO 2017/013806 A1 (OLYMPUS CORP.) 26 January 2017, paragraphs [0025]-[0305]	1, 6, 7, 13-15 2-4, 8-12 5
Y	JP 2011-87257 A (PANASONIC CORP.) 28 April 2011, fig. 7	2-4, 8-12
Y	JP 2018-186478 A (SONY SEMICONDUCTOR SOLUTIONS CORPORATION) 22 November 2018, fig. 1, 9, 11	2-4, 8-12
Y	JP 2016-206310 A (SONY CORP.) 08 December 2016, fig. 3	4

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

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“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

“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

“&” document member of the same patent family

Date of the actual completion of the international search  
31.01.2020

Date of mailing of the international search report  
10.02.2020

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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 2010-510732 A (AIT AUSTRIAN INSTITUTE OF TECHNOLOGY GMBH) 02 April 2010, paragraphs [0070]-[0083]	1-15

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

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Patent Documents referred to in the Report	Publication Date	Patent Family	Publication Date
WO 2017/013806 A1	26.01.2017	US 2018/0167575 A1 paragraphs [0041]- [0321]	
JP 2011-87257 A	28.04.2011	WO 2011/048742 A1 fig. 7	
JP 2018-186478 A	22.11.2018	WO 2018/198691 A1 fig. 1, 9, 11	
JP 2016-206310 A	08.12.2016	WO 2016/167142 A1 fig. 3	
JP 2010-510732 A	02.04.2010	US 2010/0182468 A1 paragraphs [0083]- [0102]	