

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2018/005616

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl. H04N21/485 (2011.01) i, H04N21/442 (2011.01) 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. H04N21/485, H04N21/442 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) IEEE Xplore		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 2004-526374 A (KONINKLIJKE PHILIPS ELECTRONICS N. V.) 26 August 2004, fig. 3 & US 2002/0144259 A1, fig. 3 & WO 02/080531 A2 & EP 1374568 A1 & CN 1460360 A & KR 10-2003-0011863 A	1, 2, 7, 12-14 3-6, 8-11
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> 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 "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) "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 "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 05.04.2018		Date of mailing of the international search report 17.04.2018
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 2016-504836 A (QUALCOMM INCORPORATED) 12 February 2016, paragraphs [0019], [0020], [0024], [0027] & WO 2014/085145 A2, paragraphs [0025], [0026], [0030], [0033] & US 2014/0150002 A1 & EP 2926566 A1 & TW 201436561 A & CN 104813678 A & KR 10-2015-0091108 A	2, 3
Y	JP 2011-066516 A (SONY CORPORATION) 31 March 2011, paragraphs [0003], [0018], [0052]-[0054], fig. 1, 2, 5, 11 & US 2012/0293405 A1, paragraphs [0003], [0040], [0075]-[0077], fig. 1, 2, 5, 11 & WO 2011/033855 A1 & EP 2472863 A1 & KR 10-2012-0082406 A & CN 102687522 A & RU 2012108872 A	2
Y	JP 2016-536914 A (HUAWEI TECHNOLOGIES CO., LTD.) 24 November 2016, paragraph [0200] & US 2016/0198236 A1, paragraph [0453] & WO 2015/035622 A1 & EP 3038368 A1 & CN 104838661 A & KR 10-2016-0054581 A & MX 2016003264 A	2, 3
Y	JP 2013-026997 A (SONY CORPORATION) 04 February 2013, paragraph [0023] & US 2014/0313417 A1, paragraph [0030] & WO 2013/014886 A1 & EP 2737692 A1 & CN 103688531 A & KR 10-2014-0040230 A	2, 8

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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 2008-123576 A (NEC CORPORATION) 29 May 2008, abstract, paragraphs [0016], [0017], [0021], [0022], [0030], [0036], [0040], [0041], [0043]-[0045], fig. 2 (Family: none)	4-6
Y	WO 2010/007987 A1 (SHARP CORPORATION) 21 January 2010, paragraphs [0067], [0069], [0072], fig. 4, 5(A) & US 2011/0149156 A1, paragraphs [0074], [0075], [0078], [0083], [0084], fig. 4, 5(A) & EP 2315441 A1 & CN 102090058 A & KR 10-2011-0042067 A	6
Y	JP 2005-221954 A (CASIO COMPUTER CO., LTD.) 18 August 2015, abstract, fig. 1, 8 (Family: none)	9
Y	JP 2014-106457 A (MITSUBISHI ELECTRIC INFORMATION SYSTEMS CORPORATION) 09 June 2014, paragraphs [0018], [0021], [0022], [0026], [0033], [0035], [0039], [0040]-[0042], fig. 6 (Family: none)	10
Y	JP 2002-503896 A (INTEL CORPORATION) 05 February 2002, paragraphs [0058], [0059] & WO 99/35846 A1, page 24, lines 6-25 & US 5977964 A & EP 1046293 A1 & CN 1292977 A	11