

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/JP2020/010611

<p><b>A. CLASSIFICATION OF SUBJECT MATTER</b>                  Int.Cl. H04N5/225(2006.01)i, B60R1/00(2006.01)i, G03B11/04(2006.01)i, G03B15/00(2006.01)i, H04N5/232(2006.01)i                  FI: H04N5/225100, B60R1/00A, H04N5/225400, H04N5/232290, G03B15/00V, G03B11/04C                  According to International Patent Classification (IPC) or to both national classification and IPC</p>																																
<p><b>B. FIELDS SEARCHED</b>                  Minimum documentation searched (classification system followed by classification symbols)                  Int.Cl. H04N5/225, B60R1/00, G03B11/04, G03B15/00, H04N5/232</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:80%;">Published examined utility model applications of Japan</td> <td style="text-align: right;">1922-1996</td> </tr> <tr> <td>Published unexamined utility model applications of Japan</td> <td style="text-align: right;">1971-2020</td> </tr> <tr> <td>Registered utility model specifications of Japan</td> <td style="text-align: right;">1996-2020</td> </tr> <tr> <td>Published registered utility model applications of Japan</td> <td style="text-align: right;">1994-2020</td> </tr> </table> <p>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)</p>			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																						
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<p><b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Category*</th> <th style="width:70%;">Citation of document, with indication, where appropriate, of the relevant passages</th> <th style="width:20%;">Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>WO 2006/114962 A1 (AUTONETWORKS TECHNOLOGIES LTD.)</td> <td>1, 10, 11</td> </tr> <tr> <td>Y</td> <td>02.11.2006 (2006-11-02), paragraphs [0006]-[0009],</td> <td>2-5, 9, 12-14</td> </tr> <tr> <td>A</td> <td>[0016], [0017]</td> <td>6-8</td> </tr> <tr> <td>Y</td> <td>JP 2005-145428 A (AUTONETWORKS TECHNOLOGIES LTD.)</td> <td>2-5, 9, 12-14</td> </tr> <tr> <td>A</td> <td>09.06.2005 (2005-06-09), paragraphs [0008], [0026]-[0031], [0039]</td> <td>6-8</td> </tr> <tr> <td>Y</td> <td>JP 2011-246056 A (DENSO CORPORATION) 08.12.2011</td> <td>13</td> </tr> <tr> <td>A</td> <td>(2011-12-08), paragraph [0035]</td> <td>6-8</td> </tr> <tr> <td>A</td> <td>JP 2014-013449 A (CLARION CO., LTD.) 23.01.2014</td> <td>6-8</td> </tr> <tr> <td></td> <td>(2014-01-23), entire text, all drawings</td> <td></td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	WO 2006/114962 A1 (AUTONETWORKS TECHNOLOGIES LTD.)	1, 10, 11	Y	02.11.2006 (2006-11-02), paragraphs [0006]-[0009],	2-5, 9, 12-14	A	[0016], [0017]	6-8	Y	JP 2005-145428 A (AUTONETWORKS TECHNOLOGIES LTD.)	2-5, 9, 12-14	A	09.06.2005 (2005-06-09), paragraphs [0008], [0026]-[0031], [0039]	6-8	Y	JP 2011-246056 A (DENSO CORPORATION) 08.12.2011	13	A	(2011-12-08), paragraph [0035]	6-8	A	JP 2014-013449 A (CLARION CO., LTD.) 23.01.2014	6-8		(2014-01-23), entire text, all drawings	
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<p><input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.      <input checked="" type="checkbox"/> See patent family annex.</p>																																
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<p>Date of the actual completion of the international search 22.05.2020</p>		<p>Date of mailing of the international search report 02.06.2020</p>																														
<p>Name and mailing address of the ISA/ Japan Patent Office 3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan</p>		<p>Authorized officer</p> <p>Telephone No.</p>																														

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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 2014-011785 A (CLARION CO., LTD.) 20.01.2014 (2014-01-20), entire text, all drawings	6-8

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

International application No.  
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WO 2006/114962 A1	02.11.2006	US 2008/0278581 A1	paragraphs [0006]-[0009], [0023], [0024]
JP 2005-145428 A	09.06.2005	(Family: none)	
JP 2011-246056 A	08.12.2011	(Family: none)	
JP 2014-013449 A	23.01.2014	US 2014/0009615 A1	entire text, all drawings
		EP 2682896 A2	
		CN 103523014 A	
JP 2014-011785 A	20.01.2014	US 2014/0009616 A1	entire text, all drawings
		EP 2682315 A1	
		CN 103533231 A	