

**INTERNATIONAL SEARCH REPORT**

International application No.  
PCT/IB2018/056380

<p><b>A. CLASSIFICATION OF SUBJECT MATTER</b> Int.Cl. H04N7/01 (2006.01) i, G06T3/40 (2006.01) i</p> <p>According to International Patent Classification (IPC) or to both national classification and IPC</p>											
<p><b>B. FIELDS SEARCHED</b></p> <p>Minimum documentation searched (classification system followed by classification symbols) Int.Cl. H04N7/01, G06T3/40, H04N1/387, G09G3/00, G09G5/00</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:none;"> <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;">1971-2018</td> </tr> <tr> <td>Registered utility model specifications of Japan</td> <td style="text-align:right;">1996-2018</td> </tr> <tr> <td>Published registered utility model applications of Japan</td> <td style="text-align:right;">1994-2018</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	1971-2018	Registered utility model specifications of Japan	1996-2018	Published registered utility model applications of Japan	1994-2018	
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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 align="center">A</td> <td>石田隆行他 2 名, AI を用いた医用画像処理技術の開発, INNERVISION, 25 June 2017, vol. 32 no. 7, pp. 24-27, non-official translation (ISHIDA, Takayuki et al., "Development of medical image processing technology using AI")</td> <td align="center">1-10</td> </tr> <tr> <td align="center">A</td> <td>菅原佑介他 2 名, 畳み込みニューラルネットワークを用いた超解像の並列計算法, 電子情報通信学会技術研究報告, 13 February 2017, vol. 116 no. 464, pp. 13-18, non-official translation (SUGAWARA, Yusuke et al., "Parallel calculation method of super-resolution using convolution neural network", IEICE technical report)</td> <td align="center">1-10</td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	A	石田隆行他 2 名, AI を用いた医用画像処理技術の開発, INNERVISION, 25 June 2017, vol. 32 no. 7, pp. 24-27, non-official translation (ISHIDA, Takayuki et al., "Development of medical image processing technology using AI")	1-10	A	菅原佑介他 2 名, 畳み込みニューラルネットワークを用いた超解像の並列計算法, 電子情報通信学会技術研究報告, 13 February 2017, vol. 116 no. 464, pp. 13-18, non-official translation (SUGAWARA, Yusuke et al., "Parallel calculation method of super-resolution using convolution neural network", IEICE technical report)	1-10
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<p><input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.      <input type="checkbox"/> See patent family annex.</p>											
<p>* Special categories of cited documents:</p> <table style="width:100%; border:none;"> <tr> <td style="width:50%;"> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"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)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> </td> <td style="width:50%;"> <p>"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</p> <p>"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</p> <p>"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</p> <p>"&amp;" document member of the same patent family</p> </td> </tr> </table>			<p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"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)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"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</p> <p>"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</p> <p>"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</p> <p>"&amp;" document member of the same patent family</p>							
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<p>Date of the actual completion of the international search 28 November 2018 (28.11.2018)</p>		<p>Date of mailing of the international search report 11 December 2018 (11.12.2018)</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

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