

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2018/043736

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl. G09G3/20(2006.01) i, G01M11/00(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. G09G3/00-5/42

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	1971-2019
Registered utility model specifications of Japan	1996-2019
Published registered utility model applications of Japan	1994-2019

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

IEEE Xplore, JSTPlus(JDreamIII), JST7580(JDreamIII)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>秦 清治 HATA, Seiji, 画像処理産業のテーラーメイドエンジニアリングとは? What is tailor-made engineering for image processing industry?, 電気学会研究会資料 The Papers of Joint Technical Meeting on Information Processing and Innovative Industrial System, IEE, 25 March 2011, pp. IP-11-3, IIS-11-33, 13-16</p>	1-5

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
 “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
29.01.2019

Date of mailing of the international search report
19.02.2019

Name and mailing address of the ISA/
Japan Patent Office
3-4-3, Kasumigaseki, Chiyoda-ku,
Tokyo 100-8915, Japan

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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	三浦勝司ほか, 違和感を察知する Deep Learning 技術 "Sense Learning", SEI テクニカルレビュー [online], no. 193, SUMITOMO ELECTRIC INDUSTRIES, LTD., 31 July 2018, pp. 12-15, [retrieved on 29 January 2019], Internet <URL:https://sei.co.jp/technology/tr/bn193/pdf/193-03.pdf>, (KATSUSHI, Miura et al., Anomaly detection by deep learning technology named "sense learning", SEI Technical Review)	1-5
A	進藤 智則, Sexy Technology, 教師なしディープラーニングで製造不良品を自動検出 武蔵精密工業が自動車ギア検査に autoencoder, NIKKEI Robotics, no. 34, 10 April 2018, no. 34, pp. 3-8, (SHINDO, Tomonori), non-official translation (Automatically detect defective products with unsupervised deep learning, MUSASHI SEIMITSU INDUSTRY CO., LTD. autoencoder for car gear inspection)	1-5
A	JP 06-295168 A (HITACHI, LTD.) 21 October 1994, entire text, all drawings (Family: none)	1-5
A	WO 2018/105028 A1 (MITSUBISHI ELECTRIC CORPORATION) 14 June 2018, entire text, all drawings & TW 201821788 A	1-5
A	WANG, S. Q. et al., Subjective and objective quality assessment of compressed screen content images, IEEE Journal on Emerging and Selected Topics in Circuits and Systems, vol. 6, no. 4, IEEE, 31 December 2016, pp. 532-543	1-5