

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2018/100833

A. CLASSIFICATION OF SUBJECT MATTER

G06N 3/04(2006.01)i; G06T 11/00(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)

G06N; G06T; G06K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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

CNABS, CNKI, VEN, IEEE, CPRSABS, CNTXT: 图像风格迁移转移融合纹理合成模拟卷积神经网络损失损耗权重
加权 偏置 正则化 标准化 归一化 规范化 CNN CONVOLUTIONAL NEURAL NETWORK? IMAGE? STYLE TRANSFER
+ FUS+ TEXTURE SYNTHESI+ COMPOS+ SIMULAT+ ANALOG+ LOSS WEIGHT? BIAS REGULARIZ+ NORMALIZ+**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CN 106847294 A (BAIDU ONLINE NETWORK TECHNOLOGY (BEIJING) CO., LTD.) 13 June 2017 (2017-06-13) entire document	1-22
A	WO 2017021322 A1 (UNIV TUEBINGEN EBERHARD-KARLS) 09 February 2017 (2017-02-09) entire document	1-22
A	CN 106709532 A (BOE TECHNOLOGY GROUP CO., LTD.) 24 May 2017 (2017-05-24) entire document	1-22
A	CN 106952224 A (UNIVERSITY OF ELECTRONIC SCIENCE AND TECHNOLOGY OF CHINA) 14 July 2017 (2017-07-14) entire document	1-22
A	CN 106651766 A (SHENZHEN VISION TECHNOLOGY CO., LTD.) 10 May 2017 (2017-05-10) entire document	1-22

 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

15 November 2018

Date of mailing of the international search report

22 November 2018

Name and mailing address of the ISA/CN

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/CN2018/100833

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
CN	106847294	A	13 June 2017	US	20180204121	A1	19 July 2018
WO	2017021322	A1	09 February 2017	DE	102015009981	A1	02 February 2017
				US	2018158224	A1	07 June 2018
				EP	3329463	A1	06 June 2018
CN	106709532	A	24 May 2017	US	2018211157	A1	26 July 2018
CN	106952224	A	14 July 2017	None			
CN	106651766	A	10 May 2017	None			