

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2018/106238

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
G06Q 10/06(2012.01)i		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols)		
G06Q; G06F		
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)		
CNKI, CNPAT, WPI, EPODOC, IEEE: 单据, 单, 银行, 模型, 建模, 模具, 模拟, 特征提取, 提取特征, 识别, 跟踪, 风险, 漏洞, 安全, 陷阱, 验证, 认证, 鉴权, 校验, 训练数据, 修正, 同步, 决策树算法, document, feature extract+, risk, sub, tree, decision		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 106296195 A (ALIBABA GROUP HOLDING LIMITED) 04 January 2017 (2017-01-04) description, paragraphs [0002], [0003], and [0079]-[0125], and figures 1-3	1, 4-9, 12-15, 18-20
Y	CN 106296195 A (ALIBABA GROUP HOLDING LIMITED) 04 January 2017 (2017-01-04) description, paragraphs [0002], [0003], and [0079]-[0125], and figures 1-3	2, 3, 10, 11, 16, 17
Y	CN 108053318 A (BEIJING QIANXIN TECHNOLOGY CO., LTD.) 18 May 2018 (2018-05-18) description, paragraphs [0091]-[0106], and figure 2	2, 3, 10, 11, 16, 17
A	CN 107515873 A (ALIBABA GROUP HOLDING LIMITED) 26 December 2017 (2017-12-26) entire document	1-20
A	CN 107785058 A (PING AN TECHNOLOGY (SHENZHEN) CO., LTD.) 09 March 2018 (2018-03-09) entire document	1-20
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" 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		Date of mailing of the international search report
14 March 2019		28 March 2019
Name and mailing address of the ISA/CN		Authorized officer
China National Intellectual Property Administration (ISA/ CN) No. 6, Xitucheng Road, Jimenqiao Haidian District, Beijing 100088 China		
Facsimile No. (86-10)62019451		Telephone No.

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

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Patent document cited in search report	Publication date (day/month/year)	Patent family member(s)	Publication date (day/month/year)
CN 106296195 A	04 January 2017	None	
CN 108053318 A	18 May 2018	None	
CN 107515873 A	26 December 2017	None	
CN 107785058 A	09 March 2018	WO 2019019630 A1	31 January 2019