

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2019/091806

A. CLASSIFICATION OF SUBJECT MATTER

H04L 29/06(2006.01)i; H04L 9/32(2006.01)i; H04L 9/08(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)

H04L

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: 用户, 加密, 数字, 身份, 认证, 审批, 终端, 注册, 区块链, 平台, 安全, 等级, 层级, 验证, 加密, 密文, 明文, digital, platform, authentication, identity, block, chain, ciphertext, user, verification, match, level

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CN 107257340 A (ALIBABA GROUP HOLDING LIMITED) 17 October 2017 (2017-10-17) description, paragraphs [0013]-[0040]	1-13
A	CN 106357640 A (JIANGSU TONGFUDUN TECHNOLOGY CO., LTD.) 25 January 2017 (2017-01-25) entire document	1-13
A	CN 108769057 A (BEIJING QIHOO TECHNOLOGY CO., LTD.) 06 November 2018 (2018-11-06) entire document	1-13
A	US 2018144310 A1 (TENDYRON CORPORATION) 24 May 2018 (2018-05-24) entire document	1-13

 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

02 December 2019

Date of mailing of the international search report

02 January 2020

Name and mailing address of the ISA/CN

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/CN2019/091806

Patent document cited in search report	Publication date (day/month/year)	Patent family member(s)	Publication date (day/month/year)
CN 107257340 A	17 October 2017	CN 107257340 B WO 2018233536 A1 TW 201906389 A SG 11201906764 Q A	01 October 2019 27 December 2018 01 February 2019 27 August 2019
CN 106357640 A	25 January 2017	None	
CN 108769057 A	06 November 2018	None	
US 2018144310 A1	24 May 2018	AU 2016295608 A1 WO 2017012580 A1 CA 2993097 A1 AU 2016295608 B2	08 February 2018 26 January 2017 26 January 2017 12 September 2019