

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2018/043668

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl. G06Q20/36(2012.01)i, G06Q20/06(2012.01)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. G06Q10/00-99/00 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)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	仮想通貨を安全に保管する方法は？ 2段階認証だけじゃ意味ない？, [online], 仮想通貨ポータル, 04 February 2018, entire text, [retrieved on 25 February 2019], Internet<URL:https://coin-portal.net/basics/wallet/how-to-keep-coin-safe-and-secure/>, non-official translation (What is the method for keep my virtual currency safe? Does it make sense only with two-step certification?, virtual currency portal)	1-5
Y	ネットワーク分離による標的型攻撃対策-仮想ブラウザ導入による効果と留意事項-, [online], 株式会社野村総合研究所, 01 June 2016, pp. 26, 27, [retrieved on 25 February 2019], Internet<URL:https://www.nri.com/-/media/Corporate/jp/Files/PDF/knowledge/publication/it_solution/2016/06/ITSF160606.pdf>, (NOMURA RESEARCH INSTITUTE, LTD.), non-official translation (Targeted attack countermeasures by network separation-effects and matters needing attention by introducing virtual browser-)	1-5
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.		
<input 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 26.02.2019		Date of mailing of the international search report 12.03.2019
Name and mailing address of the ISA/ Japan Patent Office 3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan		Authorized officer Telephone No.

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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.
Y	JP 2012-203778 A (MIZUHO INFORMATION & RESEARCH INSTITUTE INC.) 22 October 2012, paragraphs [0001], [0004]-[0016], [0022]-[0080], fig. 1, 8 (Family: none)	1-5
Y	JP 2003-178144 A (INTERNET SERVICE PARTNERS CORP.) 27 June 2003, paragraphs [0036]-[0044] (Family: none)	4-5
Y	JP 2018-026821 A (XMEDIUS SOLUTIONS INC.) 15 February 2018, paragraphs [0004]-[0006], [0022]-[0042] & US 2017/0091474 A1, paragraphs [0004]-[0006], [0027]-[0047] & EP 3282670 A1 & CA 2976127 A1	4-5
A	「bitFlyer セキュリティ・ファースト」主義、及びセキュリティ・顧客資産保護に関する取り組みについて, [online], 30 January 2018, pp. 1-6, [retrieved on 25 February 2019], Internet<URL:https://bitflyer.com/pub/bitflyer-security-first-policy-and-our-measures-for-security-and-customer-asset-protection-ja.pdf>, non-official translation (About the "BitFlyer Security First" principle and security/customer asset safety protection measures)	1-5
A	仮想通貨取引所ビットトレードのウォレット・マルチシグ運用体制について, [online], BitTrade, 29 January 2018, entire text, [retrieved on 25 February 2019], Internet<URL:https://bittrade.co.jp/blog/statement-for-our-wallet-structure/>, non-official translation (About the cold wallet multisig operation system of virtual currency exchange bit trade)	1-5
A	クラウドサービス提供における情報セキュリティ対策ガイドライン (第2版), [online], second edition, 総務省, 31 July 2018, pp. 233-241, 251, 252, [retrieved on 25 February 2019], Internet<URL:http://www.soumu.go.jp/main_content/005b6969.pdf>, (MINISTRY OF INTERNAL AFFAIRS AND COMMUNICATIONS), non-official translation (Information security measures guidelines for cloud service provision (second edition))	1-5