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(*)Number 10-2094705

(*)Title A MULTI-NODE AUTHEHTICATION METHOD AND APPARATUS
BASED ON BLOCK CHAIN

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Patent Information (desired but not required for options 1 and 2; required in ITU, ISO and IEC for option 3 (NOTE))

No.	Status [granted/ pending]	Country	Granted Patent Number or Application Number (if pending)	Title
1	Granted	Republic of Korea	10-2094705	Multi-node authentication method and apparatus based on block chain
2	Granted	Republic of Korea	10-1809974	A system for security certification generating authentication key combining multi-user element and a method thereof
3	Granted	Republic of Korea	10-1809976	A method for security certification generating authentication key combining multi-user element
4	Granted	Republic of Korea	10-1937388	Method and apparatus for configuration dns name
5	Granted	China	ZL 2018 8 0028197.6	A method for security certification generating authentication key combining multi-user element
6	Granted	China	ZL 2018 8 0028239.6	Security authentication method for creating security key by combining authentication factors of multiple users
7	Granted	Japan	6902151	Multi-node authentication method and apparatus based on block chain
8	Granted	Malaysia	MY-189676-A	Multi-node authentication method and apparatus based on block chain
9	Granted	Malaysia	MY-189678-A	Security authentication method for creating security key by combining authentication factors of multiple users
10	Granted	Malaysia	MY-200897-A	Security authentication system and security authentication method for creating security key by combining authentication factors of multiple users

Patent Information (desired but not required for options 1 and 2; required in ITU, ISO and IEC for option 3 (NOTE))

No.	Status [granted/ pending]	Country	Granted Patent Number or Application Number (if pending)	Title
11	Granted	Singapore	10202010664U	Multi-node authentication method and apparatus based on block chain
12	Granted	Taiwan	I746229	Multi-node authentication method and apparatus based on block chain
13	Granted	United Kingdom	GB2591164	Multi-node authentication method and apparatus based on block chain
14	Granted	United States	US 10,615,974 B2	Security authentication system for generating secure key by combining multi-user authentication elements and security authentication method therefor
15	Granted	United States	US 10,615,975 B2	Security authentication method for generating secure key by combining authentication elements of multi-users
16	Granted	United States	US 10,904,252 B1	Multi-node authentication method and apparatus based on block chain
17	Granted	United States	US 11,075,909 B1	Multi-node authentication method and apparatus based on block chain



Check here if additional patent information is provided on additional pages.

NOTE: For option 3, the additional minimum information that shall also be provided is listed in the option 3 box above.

Signature (include on final page only):

Patent Holder FNSVALUE CO., LTD.

Name of authorized person Seungju Jeon

Title of authorized person CEO

Signature Seungju Jeon

Place, Date Seoul, Republic of Korea / April 28, 2025

FORM version: 2 November 2018