

(54) Title of the invention : A CROSS DOMAIN AUTHENTICATION SYSTEM USING A LOCALIZED BLOCKCHAIN NETWORK

(51) International classification :H04L0009320000, H04L0029060000, H04W0012060000, H04L0009300000, G06F0021330000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

The present invention discloses a cross domain authentication system using a localized blockchain network. The following steps are included in the technique, which is based on a specified cross-domain authentication system that includes a client, a verification party, a master authentication mechanism, and a slave authentication mechanism: The slave certification authority issues a certificate to the user side in accordance with the slave key, and the user side accepts the certificate if verifying that the certificate is valid; the slave authentication mechanism generates public parameters, a master key, and a master public key; and generates and distributes a slave key of the slave authentication mechanism to the slave authentication mechanism based on the master key.

No. of Pages : 20 No. of Claims : 5