(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/03/2023

(21) Application No.202311019170 A
(43) Publication Date : 12/05/2023

(54) Title of the invention : SYSTEM AND METHOD TO IMPLEMENT TWO-FACTOR AUTHENTICATION USING DIGITAL LEDGER TECHNOLOGY

(51) International classification	:G06Q 204000, H04L 011800, H04L 093200, H04W 040200, H04W 120600
(86) International Application No Filing Date	:PCT// :01/01/1900
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(57) Abstract :
The present invention relates to a system (100) for implementing two-factor authentication. The system (100) includes a ledger (102) for storing information, one or more processors coupled with a memory, and instructions stored in the memory for providing public-private key pairs and registering entities based on their blockchain addresses. The system also allows users to request access to registered servers, deletes tokens based on entered OTPs, and enables data restoration through private key entry. Further, the system utilizes a distributed ledger technology blockchain and may include a self-executing contract, mobile notifications, and a dedicated authenticator app for added security.

No. of Pages : 24 No. of Claims : 10