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(54) Title of the invention : A SECURE SYSTEM FOR PASSWORD-LESS USER AUTHENTICATION IN CLOUD

(51) International classification	:H04L0009400000, H04L0009320000, G06F0021320000, H04L0009080000, G06F0021310000	(71) <b>Name of Applicant :</b> <b>1)NOIDA INSTITUTE OF ENGINEERING &amp; TECHNOLOGY</b> Address of Applicant :19, Knowledge Park-II, Institutional Area, Greater Noida – 201306, Uttar Pradesh, India. Uttar Pradesh India
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(57) Abstract :

The invention discloses a secure password-less authentication system for cloud environments, eliminating reliance on traditional passwords. The system comprises a private key (101) stored on a user device (102), a public key (103) maintained on a cloud server (104), biometric verification (105), a session token generator (106), an authentication API (107), and a trust management module (109). By integrating device-based cryptography and biometric validation, the invention ensures secure, user-friendly, and scalable authentication, resistant to phishing, replay, and brute force attacks.

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