

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311058841 A

(19) INDIA

(22) Date of filing of Application :01/09/2023

(43) Publication Date : 06/10/2023

(54) Title of the invention : SYSTEM AND METHOD FOR ENCRYPTION AND KEY MANAGEMENT SOLUTION THROUGH SECURITY AS A SERVICE PLATFORM

<p>(51) International classification :H04L0009080000, G06F0021620000, H04L0009140000, G06F0021320000, G06F0021600000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : <b>1)Chitkara University</b> Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p><b>2)Bluest Mettle Solutions Private Limited</b> Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : <b>1)MISHRA, Rahul</b> Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----</p> <p><b>2)SINGH, Dhiraj</b> Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----</p> <p><b>3)MANTRI, Archana</b> Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p>
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(57) Abstract :

The present invention discloses a system (100) and method (200) for secure data transfer and storage within intercloud environments. Utilizing a Security-as-a-Service (SECaaS) platform. The system integrates hierarchical key management, robust encryption algorithms, and secure communication protocols. The platform facilitates data encryption at rest and in transit, enabling authorized users to securely access and work with decrypted information through their computing devices. Furthermore, the system ensures controlled access to encryption keys, enhancing data security, and addresses challenges of intercloud data management, providing an adaptable and comprehensive solution that promotes confidentiality, compliance, and seamless collaboration.

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