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(54) Title of the invention : A SYSTEM AND A METHOD FOR CLOUD DATA MASKING

(51) International classification :G06F0021620000, H04L0009060000, H04L0009080000, G08G0001140000, G06K0009620000	(71)**Name of Applicant :** 　1)**Chitkara University** 　　Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----------- ----------- 　2)**Bluest Mettle Solutions Private Limited** **Name of Applicant : NA** **Address of Applicant : NA** (72)**Name of Inventor :** 　1)**MISHRA, Rahul** Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune ----------- ----------- 　2)**SINGH, Dhiraj** Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune ----------- ----------- 　3)**MANTRI, Archana** Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----------- -----------
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(57) Abstract :

A system (100) and a method (200) for cloud data masking is provided. The system (100) includes a server (102) having an encryption component (104), a data tokenization component (106), a data substitution component (108), and a configuration component (110) for cloud data masking. The system (100) provides an additional layer of security to protect sensitive data stored in the cloud. The system (100) offers flexibility in customizing the level of masking for different types of data. The system (100) can seamlessly integrate with other security systems, including firewalls, intrusion detection systems, and identity management systems. The system (100) is designed to handle large volumes of data in the cloud, providing scalability and optimized performance. By efficiently masking sensitive data, the system (100) minimizes any potential impact on data processing speed and ensures smooth operations even with substantial data volumes.

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