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(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 ---------- ----------

(57) Abstract :
Embodiments of the present disclosure relates to a system (100) and method (300) for efficient and secure management of digital objects in a computer network. In an aspect, the present disclosure discloses a system (102) for efficient and secure management of digital objects in a computer network by applying encryption techniques, access controls, and audit mechanisms to protect sensitive digital assets and enable authorized users to securely interact with them. The system (102) comprises a processor (202) coupled to a memory (204). The memory (204) stores processor-executable instructions. The processor (202) is configured to generate unique identifiers for the digital objects. Further, the processor (202) is configured to encrypt the digital objects. Next, the processor (202) is configured to transfer the encrypted digital objects within the computer network. In the end, the processor (202) is configured to store the transferred digital objects in a database.

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