(54) Title of the invention : A SYSTEM TO GENERATE DYNAMIC ALIASES FOR CRYPTOCURRENCY ADDRESSES

(51) International classification :G06Q0020060000, G06Q0020380000, G06Q0020400000, G06Q0020360000, H04L0009320000	(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 :
The present invention relates to a system and method for dynamic cryptocurrency aliasing, which enables users to simplify the exchange of cryptocurrency payments by utilizing user-friendly aliases instead of complex alphanumeric codes. The system includes a plurality of users, each assigned with a memorable alias for their cryptocurrency addresses. A verification module validates the authenticity of the aliases, ensuring uniqueness and validity. A blockchain-based storage module securely maintains the alias-to-address mappings. Users can update, remove, or create new aliases through a user interface. An auction module allows users to bid on premium aliases, while a forwarding module enables seamless payment transfer between aliases. A search module assists users in discovering and connecting with other users based on their aliases. The system enhances user experience, accessibility, and adoption of cryptocurrencies by simplifying payment transactions and providing a user-friendly interface for managing aliases.

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