

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311065734 A

(19) INDIA

(22) Date of filing of Application :29/09/2023

(43) Publication Date : 20/10/2023

(54) Title of the invention : ASSET TRACEABILITY ENABLED PROCUREMENT PROCESSES USING BLOCKCHAIN TECHNOLOGY

(51) International classification :G06Q0010060000, G06Q0010080000, G06F0021100000, H04L0009320000, H04L0009060000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(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 :

The system (100) introduced here is designed for asset traceability in procurement processes, harnessing the power of blockchain technology. It includes three key components: an asset registry (102) for comprehensive asset data storage, a smart contract (104) executed by a processor to enforce procurement terms, and a user interface (106) supported by memory for real-time stakeholder updates. By leveraging blockchain's security and transparency benefits, this system creates an immutable record of all procurement transactions. Furthermore, the blockchain ensures universal data access, reducing disputes and enhancing supply chain management. While the integrated components provide an end-to-end solution for asset tracking throughout the procurement process, from initial request to final delivery.

No. of Pages : 31 No. of Claims : 10