

(54) Title of the invention : SYSTEM AND METHOD TO IMPLEMENT SMART GRID TECHNOLOGY ON A DECENTRALISED PLATFORM

<p>(51) International classification :G06Q 500600, G07F 173200, H02J 033800, H04L 011800, H04L 093200</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 :</p> <p>1)Chitkara University Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>2)Bluest Mettle Solutions Private Limited Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)SINGH, Jaiteg Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>2)MISHRA, Rahul Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----</p> <p>3)SINGH, Dhiraj Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----</p>
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(57) Abstract :

The present disclosure relates to a system and method to implement smart grid technology on a decentralised platform. The method includes creating an interacting path between a producer node and a load, corresponding to the decentralised platform. The method also includes determining an effective path to transmit power between the producer node and the load. The method also includes generating a token comprising a corresponding node value among one or more producer nodes, wherein the one or more producer nodes are associated with generation of electric power. The method also includes validating a consumer's monetary balance upon receiving a purchase request from a corresponding consumer. The method also includes generating a transaction on the decentralised platform based on a smart contract, upon successful purchasing of the electric power between at least one of the one or more producer node and one or more consumer node.

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