

(54) Title of the invention : SYSTEM AND METHOD TO VALIDATE AN ELECTRONIC TRANSPORT DOCUMENT ON A DISTRIBUTED LEDGER DURING TRANSPORTATION

<p>(51) International classification :G06F 216400, G06Q 200600, G06Q 203800, H04L 090600, 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><b>1)Chitkara University</b> Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p><b>2)Bluest Mettle Solutions Private Limited</b> Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p><b>1)SHARMA, Manish</b> Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p><b>2)MISHRA, Rahul</b> Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----</p> <p><b>3)SINGH, Dhiraj</b> Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----</p>
--	--

(57) Abstract :

The present disclosure relates to a system and method to validate an electronic transport document on a distributed ledger during transportation of goods. The method includes generating the electronic transport document in at least one genesis block of the distributed ledger, upon being signed by an authorised entity using at least one of a private key, a hash function, or a combination thereof. The method also includes validating an authenticity of at least one bearer of the corresponding electronic transport document using a validation function for establishing a genuineness of the corresponding at least one bearer, upon being signed by the authorised entity. The method further includes transferring the validated electronic transport document to a designated authority, for verifying the validated electronic transport document using a public key. The method also includes granting an access for initiating the transportation of the goods upon receiving a positive validation result.

No. of Pages : 23 No. of Claims : 9