

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311056263 A

(19) INDIA

(22) Date of filing of Application :22/08/2023

(43) Publication Date : 22/09/2023

(54) Title of the invention : A SYSTEM AND METHOD FOR SECURING A CYBER-PHYSICAL VEHICLE BY AN INTEGRATED SECURE DEVICE MANAGER

(51) International classification :G06F0009440100, B64C0039020000, H04W0012030000, H04W0012060000, H04L0067000000
(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 :

Embodiments of the present disclosure relates to a system (100) and method (300) for securing a cyber-physical vehicle by an integrated secure device manager. In an aspect, the present disclosure discloses a system (102) for securing a cyber-physical vehicle by an integrated secure device manager. 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 initialize a secure device manager during a boot-up process of the cyber-physical vehicle. Further, the processor (202) is configured to establish a connection between a communication interface and a vehicle control interface of the cyber-physical vehicle based on the initialization. Next, the processor (202) is configured to facilitate communication between the vehicle control interface and the secure device manager. In the end, the processor (202) is configured to operate the cyber-physical vehicle.

No. of Pages : 26 No. of Claims : 10