(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/08/2023

(21) Application No.202311058089 A
(43) Publication Date : 29/09/2023

(54) Title of the invention : SYSTEM FOR CONTROLLING ACTUATION OF AC IN A VEHICLE AND A VEHICLE THEREOF

(51) International classification :A61B0005145500, A61B0018140000, B60W0030160000, B60H0001000000, A61B0005024000
(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)Chitkara Innovation Incubator Foundation
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)SINGH Kulwinder
Address of Applicant :Department of Mechanical Engineering, Chitkara University Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ---------- ----------
2)SINGH Jaswinder
Address of Applicant :Department of Mechanical Engineering, Chitkara University Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ---------- ----------
3)SINGH Kamaljeet
Address of Applicant :Department of Mechanical Engineering, Chitkara University Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ---------- ----------
4)KUMAR Sunil
Address of Applicant :Department of Mechanical Engineering, Chitkara University Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ---------- ----------

(57) Abstract :
The present disclosure pertains to system 100 and a vehicle 120 for controlling actuation of Air Conditioner (AC) 102 therein. It includes sensors 108 disposed at pre-defined positions within front body the vehicle 120, for sensing real-time position of a gear 110 of the vehicle 120. An actuator 104 is adapted to be coupled to the AC 102 of the vehicle 120. A controller 106 is coupled to the actuator 104, and configured to generate a first set of signals in case the gear 110 is sensed to be in a first position, wherein the generated first set of signals de-actuate the actuator 104, resulting in turning off of the AC 102 to enhance acceleration of the vehicle 120.

No. of Pages : 15 No. of Claims : 10