

(54) Title of the invention : AI-ENABLED MULTIPURPOSE WHEELCHAIR WITH COMMODORE

(51) International classification :A61G0005100000, G08C0017020000, A47K0011040000, G10L0015220000, A61G0007020000

(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)KUMAR, Naveen
 Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jansla, Rajpura, Punjab - 140401, India. Patiala -----

2)KAUSHAL, Rajesh Kumar
 Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jansla, Rajpura, Punjab - 140401, India. Patiala -----

3)PANDA, Surya Narayan
 Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jansla, Rajpura, Punjab - 140401, India. Patiala -----

4)JANAGAL, Mamta
 Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jansla, Rajpura, Punjab - 140401, India. Patiala -----

5)VERMA, Sanjeev
 Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jansla, Rajpura, Punjab - 140401, India. Patiala -----

(57) Abstract :
 The present invention discloses a multipurpose wheelchair with commode 100 working in a processing cloud network area 204, capable of executing commands generated by a user 102, comprising an AI device 130, a commode 138, a driving mechanism 142, a water reservoir 122. When user 102 generates voice commands to the AI device 130, transmits signals to a control unit 146 which sends corresponding signals to driving mechanism 142 to open the seat platform 118-2, and position commode 138 for use. The user 102, after defecation/urination, performs cleaning of genital parts using jet spray 128 taking water from a water reservoir 122. After completing the whole process, the user generates a voice command for the outward movement of the wheelchair with commode 100.

No. of Pages : 23 No. of Claims : 10