

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311020563 A

(19) INDIA

(22) Date of filing of Application :23/03/2023

(43) Publication Date : 19/05/2023

(54) Title of the invention : DEVICE FOR ATTENDING PATIENTS

<p>(51) International classification :B65H 542600, G16H 402000, H04N 057600, H04N 212180, H04N 214100</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</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)Chitkara Innovation Incubator Foundation Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)SINGH, Gurpartap Address of Applicant :Student, Mechatronics Department, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>2)SHAKTAN, Parth Address of Applicant :Student, Mechatronics Department, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>3)CHODEN, Phuntscho Address of Applicant :Student, Mechatronics Department, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>4)WANGCHUK, Yeshi Rigsel Address of Applicant :Student, Mechatronics Department, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>5)GUPTA, Rupesh Address of Applicant :CURIN, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>6)GUPTA, Sheifali Address of Applicant :CURIN, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>7)ANAND, Vatsala Address of Applicant :CURIN, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p>
---	---

(57) Abstract :

The present disclosure relates to a device (100) for attending patients, said device comprising a plurality of IR sensors (106) that detect a plurality of signals, wherein the plurality of signals are at least indicative of presence of a surface. A plurality of ultrasonic sensors (104) detect presence of an object at a distance from the device, a control unit (102) is configured with a microcontroller, and a memory that stores an instruction executable by the microcontroller, and is operatively coupled with a plurality of IR sensors (104), a plurality of ultrasonic sensors, and a database (106). The control unit (108) is configured to receive the plurality of signals, determine a command signal that is at least indicative of a movement of the device, and transmit a command signal to a wheel assembly of the device (100).

No. of Pages : 12 No. of Claims : 7