(19) INDIA

(22) Date of filing of Application :17/06/2021 (43) Publication Date : 24/02/2023

(54) Title of the invention: SMART TOILET FOR PHYSICALLY IMPAIRED USER

(51) International classification	:H04N0021258000, G10L0013000000, H02P0006160000, G06F0003048000, A61B0005080000	(71)Name of Applicant: 1)Chitkara Innovation Incubator Foundation Address of Applicant: SCO: 160-161, Sector - 9c, Madhya Marg, Chandigarh- 160009, India. Chandigarh India (72)Name of Inventor:
(31) Priority Document No	:NA	1)GUPTA, Deepali
(32) Priority Date	:NA	2)KOUR, Kanwal Preet
(33) Name of priority country	:NA	3)GUPTA, Kamali
(86) International Application No	:NA	4)GUPTA, Sheifali
Filing Date	:NA	5)GOYAL, Nitin
(87) International Publication No	: NA	6)GUPTA, Rupesh
(61) Patent of Addition to Application Number Filing Date	:NA :NA	7)BALI, Malvinder Singh 8)GOYAL, Rakesh 9)GUPTA, Raman
(62) Divisional to Application Number	:NA	10)AILAWALIA, Praveen
Filing Date	:NA	11)VERMA, Vishal

(57) Abstract:

The present disclosure relates to an apparatus (100) for assisting physically impaired user, the apparatus includes a microcontroller (116) operatively coupled to a first sensor (106) and a second sensor (108). The microcontroller configured to receive, from the first sensor, the first set of signals pertaining to physical pressure attributes of the user. The microcontroller receives, from the second sensor (108), second set of signals pertaining to odor attributes, wherein, on receipt of the first set of signals, the microcontroller configured to operate the valve to allow passage of the liquid from the tank unit, and wherein, on receipt of the second set of signals, the microcontroller configured to operate the sprayer to spray a predetermined amount of fragrance to deodorize the sanitary area.

No. of Pages: 17 No. of Claims: 10