(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211064861 A

(19) INDIA

(22) Date of filing of Application :12/11/2022

(43) Publication Date : 02/12/2022

(54) Title of the invention : EATING ASSISTIVE DEVICE FOR DISABLED PERSON

(51) International classification	:A47G0019020000, A01K0005010000, F16C0011060000, A01K0005020000, G06F0003042000	(71)Name of Applicant : 1)Jaipur National University Address of Applicant :Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur- 302017, Rajasthan, India. Jaipur ----------- -----------
(86) International Application No Filing Date	:NA :NA	Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Dr. Ajeet Kumar Singh
(87) International Publication No	: NA	Address of Applicant :School of Hotel Management & Catering Technology, Jaipur National University, Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur- 302017, Rajasthan, India. Jaipur ----------- -----------
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)Shivam Sharma Address of Applicant :School of Hotel Management & Catering Technology, Jaipur National University, Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur- 302017, Rajasthan, India. Jaipur ----------- -----------
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :
An eating assistive device for disabled person, comprising a cylindrical shaped body 1 equipped by user, an artificial intelligence based image capturing 2 to capture and process multiple images of user's finger respectively for determining dimension, plurality of iris lids 3 for accommodating finger in a secured manner, a touch interactive display panel 4 to specify type of cutlery user desires to user for consuming food, a bowl 5 for allowing user to consume food, a tilt sensor for determining position of food, a motorized ball and socket joint 6 that aids user to grab food, a motorized hinge 7 configured with plurality of tines 8, a multi-sectioned chamber 9 stored with different ingredients, an electronically controlled nozzle 10 to dispense ingredients as specified by user, and an odour sensor for detecting quality of food by evaluating odour of food.

No. of Pages : 16 No. of Claims : 6