

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/11/2024

(21) Application No.202421093122 A

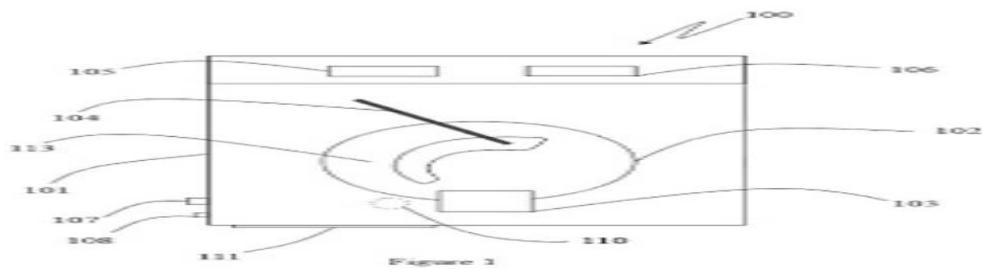
(43) Publication Date : 27/12/2024

(54) Title of the invention : An Apparatus for Counting Tablets

(51) International classification	:A61J7/02, B65D83/04, B65B1/30, B65B65/08, B65B7/20, G08B3/00	(71)Name of Applicant : 1)Ramdeobaba University, Nagpur Address of Applicant :Formly Shri Ramdeobaba College of Engineering and Management, Ramdeo Tekdi, Gittikhadan, Katol Road, Nagpur-440013, Maharashtra, India. Nagpur ----- ----- 2)Shri Ramdeobaba College of Engineering and Management, Nagpur 3)JOSHI, Poorvi K. 4)GANGANE, Purushottam 5)SORTE, Pawan Dilip 6)MISHRA, Harsh Devendra 7)PANCHESHWAR, Sachin Atal 8)NAVGHARE, Atharva Ramesh
(86) International Application No	:NA	Name of Applicant : NA Address of Applicant : NA
Filing Date	:NA	(72)Name of Inventor : 1)JOSHI, Poorvi K. Address of Applicant :Department of Electronics Engineering, Ramdeobaba University, Formly Shri Ramdeobaba College of Engineering and Management, Ramdeo Tekdi, Gittikhadan, Katol Road, Nagpur- 440013, Maharashtra, India. Nagpur ----- ----- 2)GANGANE, Purushottam Address of Applicant :Dadasaheb Balpande College of Pharmacy, Near Shree Swami Samarth Dham Mandir, Manewada Road, Besa Chowk, Nagpur. Pincode - 440037. Nagpur ----- ----- 3)SORTE, Pawan Dilip Address of Applicant :Department of Electronics Engineering, Ramdeobaba University, Formly Shri Ramdeobaba College of Engineering and Management, Ramdeo Tekdi, Gittikhadan, Katol Road, Nagpur- 440013, Maharashtra, India. Nagpur ----- ----- 4)MISHRA, Harsh Devendra Address of Applicant :Department of Electronics Engineering, Ramdeobaba University, Formly Shri Ramdeobaba College of Engineering and Management, Ramdeo Tekdi, Gittikhadan, Katol Road, Nagpur- 440013, Maharashtra,India. Nagpur ----- ----- 5)PANCHESHWAR, Sachin Atal Address of Applicant :Department of Electronics Engineering, Ramdeobaba University, Formly Shri Ramdeobaba College of Engineering and Management, Ramdeo Tekdi, Gittikhadan, Katol Road, Nagpur- 440013, Maharashtra, India. Nagpur ----- ----- 6)NAVGHARE, Atharva Ramesh Address of Applicant :Department of Electronics Engineering, Ramdeobaba University, Formly Shri Ramdeobaba College of Engineering and Management, Ramdeo Tekdi, Gittikhadan, Katol Road, Nagpur- 440013, Maharashtra, India. Nagpur -----
(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	

(57) Abstract :

Abstract An apparatus for counting tablets The present invention relates to a pharmaceutical tablet counter. The invention comprises of an apparatus (100) for counting tablets and a method for counting and collecting tablets. The apparatus (100) comprise of a frame (101) having a central cavity (115) which houses a tablet route mechanism. The tablet route mechanism includes a circular disk (102) driven by a motor (112). A keypad (106) is used to input the tablet count limit by the user. As the tablets are loaded on the circular disk (102) to initiate the counting process, the tablets move along the tablet path (113) in the circular disk (102) as motor (112) rotates. The tablets move towards a tablet separator (103) where the tablet gets separated and gets detected by the sensor (110). The sensor (110) sends a count signal to a microcontroller (114) to increment the real time tablet count. When the real time tablet count is equal to tablet count limit the microcontroller (114) stops the motor (112). The counted tablets are collected in a container (111) after the counting process is completed. Figure 1



No. of Pages : 26 No. of Claims : 7