

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211018716 A

(19) INDIA

(22) Date of filing of Application :30/03/2022

(43) Publication Date : 09/02/2024

(54) Title of the invention : AUTOMATED FINGER INK REMOVING DEVICE

(51) International classification :B65H0035000000,  
A61B0005150000,  
A61B0005151000,  
A45D0029000000,  
A63B0069360000

(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(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)Chandigarh Group of Colleges, Jhanjeri**  
Address of Applicant :State Highway 12A Jhanjeri, Sahibzada,  
Ajit Singh Nagar, Punjab 140307, India. Punjab India

(72)Name of Inventor :  
**1)Malika Arora**  
**2)Richa Mehta**  
**3)Ashmeet Kaur**

(57) Abstract :

The present invention relates to an automated finger ink removing device comprises of a cuboidal hollow body 1 attached with the device and constructed with an opening 2 that is used for a user to insert finger to remove ink, a proximity sensor 3 installed at opening 2 that determine insertion of user's finger inside the opening 2, a pair of primary rollers 4 attached within the body 1 in a manner that the user's finger get positioned in between the roller 4 to clean ink liquid, multiple nozzles 5 attached within the body 1 and internally connect with a reservoir that dispense cleaning solution from the reservoir over the finger, a pair of auxiliary rollers 6 attached within the body 1 to clean the side portion of the user's finger, a skin hardness detection sensor 7 installed with each of the rollers 4 to measure hardness of user's skin.

No. of Pages : 14 No. of Claims : 4