

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211016527 A

(19) INDIA

(22) Date of filing of Application :24/03/2022

(43) Publication Date : 02/02/2024

(54) Title of the invention : SOLDER GUN HOLDING AND FIXING DEVICE

(51) International classification	:B23D	(71)Name of Applicant :
(31) Priority Document No	1/00	<b>1)Chandigarh Group of Colleges, Jhanjeri</b>
(32) Priority Date	:NA	Address of Applicant :State Highway 12A Jhanjeri, Sahibzada,
(33) Name of priority country	:NA	Ajit Singh Nagar, Punjab 140307, India. Punjab India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)Richa Mehta</b>
(87) International Publication No	: NA	<b>2)Malika Arora</b>
(61) Patent of Addition to Application Number	:NA	<b>3)Vikrant Verma</b>
Filing Date	:NA	<b>4)Nandini</b>
(62) Divisional to Application Number	:NA	<b>5)Shipra</b>
Filing Date	:NA	

(57) Abstract :

A solder gun holding and fixing device, comprising a platform 1 having a middle and outer portion 2, 3 wherein middle portion 2 is mounted with a holder 4 that is fabricated in a hollow manner for accommodating a solder gun, a sensing module integrated within the holder 4 to detect defects between oxidation, burned condition, rust and metal stickiness, a rotating plate 5 arranged over the outer portion 3 of the platform 1 and fabricated with multiple chambers 6 incorporating emery paper, cleaning sponge, copper wool, cleaner, flux antioxidant and boric acid, a motor controller linked with the plate 5 for aligning one of the chamber 6 in front of the gun, a sliding rack 8 integrated at inner periphery of the holder 4 and linked with an iris lid 7 in order to linearly extend and retract the gun within the corresponding chamber 6 for fixing the defect.

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