

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202541106934 A

(19) INDIA

(22) Date of filing of Application :04/11/2025

(43) Publication Date : 28/11/2025

(54) Title of the invention : AUTOMATED WALL-MOUNTED APPLIANCE INSTALLATION DEVICE

(51) International classification	:G11C 29/56, A43C 3/02, A43C 3/04, B60Q 3/53, A43C 11/10	(71) Name of Applicant : 1)SR University Address of Applicant :Ananthasagar, Hasanparthy (PO), Warangal-506371, Telangana, India. Warangal Telangana India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Sandip Bhattacharya
(33) Name of priority country	:NA	2)Subhajit Das
(86) International Application No	:	3)Abir J Mondal
Filing Date	:01/01/1900	4)Syed Musthak Ahmed
(87) International Publication No	: NA	5)Kalyan Sundar Kola
(61) Patent of Addition to Application Number	:NA	6)Abir Chattopadhyay
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An automated wall-mounted appliance installation device, comprising of a housing 101 positioned adjacent to a wall surface and installed with a storage unit 102, the storage unit 102 configured to store multiple mounting hooks, a user-input interface to allow a user to provide commands for initiating installation operation, a base plate 105 supported by a pair of sliders 106 at both ends allowing vertical movement for extension and retraction to aid precise positional adjustment during installation operations, an extendable rod 107 integrated with a wall scanner module 109 to detect suitable areas on the wall for an appliance installation, a robotic link 110 integrated with a motorized drilling unit 111 for carving mounting holes on the wall surface, a mounting arrangement to install mounting hooks and subsequently position an appliance over the hooks, an electrical inspection unit to deploy tools for monitoring electrical supply points during appliance installation.

No. of Pages : 29 No. of Claims : 10