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(71)Name of Applicant :

1)Noida Institute of Engineering and Technology, Greater Noida

Address of Applicant :Plot No. -19, Knowledge Park-II, Institutional Area, Greater Noida, Uttar Pradesh-201306, India. Greater Noida -----

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Vinod M. Kapse

Address of Applicant :Director, Noida Institute of Engineering and Technology, Greater Noida, Plot No. -19, Knowledge Park-II, Institutional Area, Greater Noida, Uttar Pradesh-201306, India. Greater Noida -----

2)Anshu Kumar

Address of Applicant :Department of Electronics and Communication Engineering, Noida Institute of Engineering and Technology, Greater Noida, Plot No. -19, Knowledge Park-II, Institutional Area, Greater Noida, Uttar Pradesh-201306, India. Greater Noida -----

3)Dr. Raman Batra

Address of Applicant :School of Management, Noida Institute of Engineering and Technology, Greater Noida, Plot No. -19, Knowledge Park-II, Institutional Area, Greater Noida, Uttar Pradesh-201306, India. Greater Noida -----

(57) Abstract :

A customized chimney collar manufacturing device, comprising a housing 1 developed to be installed on a ground surface, a touch interactive display panel 2 for providing input regarding dimensions of user's chimney for which user desires to manufacture a chimney collar, a chamber stored with multiple metallic sheets 3 accessed by a robotic arm 4 for gripping one of sheet from chamber, a platform 5 that is accessed by arm 4 for positioning gripped sheet onto platform 5, a cutting blade 7 arranged on ceiling of housing 1 by means of a two-axis lead screw arrangement 10 unit to cut sheet from required lengths, a pair of motorized rollers 8 arranged on arrangement 10 by means of a pair of telescopically operated bars 9 to extend/retract for positioning rollers 8 parallel to each other over and under portion of sheet, an angle sensor for monitoring bending angle of sheet.

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