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(51) International classification	:B21D0005020000, A23P0030100000, A43D0008020000, B32B0003160000, B26F0001400000	(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
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(57) Abstract :

A stove assembly manufacturing device, comprises of a housing 1 configured with a conveyer unit 2 installed within housing 1 for translating raw materials, a database linked to microcontroller for storing information regarding dimensions and coordinated steps, a storage container 3 for storing galvanized iron sheets 4 for withdrawing and placing sheets 4 from container 3 to a first end of conveyer unit 2, a pneumatic cutting tool 6 to positions sheet 4 and cutting sheet into pieces of different shapes, a cutting mold 7 to translate one of pieces towards mold into trapezoid shape, a hydraulic press brake assembly 8 and arranged with a pair of robotic arms 9 for bending pieces at a defined angle to configure components, a pair of rollers 10 for bending sheet 4 into a U-shaped form, and plurality of fixing tools 11 to activate fixing tools 11 in order to assemble components.

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