

(54) Title of the invention : A PORTABLE DEVICE TO CUT SOFT SHEETS IN CIRCULAR SHAPE WITH ADJUSTABLE RADIUS

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(57) Abstract :

ABSTRACT The present invention provides a portable device that includes a cutting tool (13) in a tool holder (10) detachably attached to a horizontal hollow square bar (5) associated with a shaft (105) to cut soft sheet materials like a banana leaf in a circular shape. A ball bearing(2) attached to a round wooden plate (1) controls the shaft (105) to work as an axel. The hollow square bar (5) includes two sets of rack and pinions (6, 9, 11) that allow the horizontal and vertical movements to the cutting.tool (.13) along with the tool holder (10) to adjust the radius of the circle and alter the number of sheet materials as per the requirement of the users. The encoded standard scale on the horizontal square hollow bar guides to select the required radius. The base wooden plate (1) guides the cutting tool (13) and holds the sheet materials in place.

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