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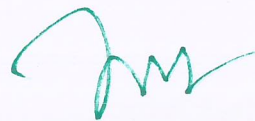
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(57) Abstract :

An assistive brick cutting and shaping device, comprises of a frame 1 which is placed on a brick, a handle attached to the frame 1 for comfortable grip, an artificial intelligence based imaging unit 2 to capture and process images of brick, a telescopic clamp 3 which extends to hold the brick, a touch interactive display panel 4 on which information is entered like length to be cut and angle of cutting operation, a two axis sliding unit 5 provides motion to the cutter 6, an angle sensor detects angle of inclination of cutter 6, a motorized ball and socket 7 joint is used to join cutter 6 and frame 1, a robotic gripper 8 for gripping the brick, a motorized sander responsible for smoothening uneven surface of brick.

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