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(57) Abstract :
An assistive device for learning braille comprises of a housing 1 fixed over a surface, an artificial intelligence-based imaging module 2 for capturing images of the user, a microphone 3 for enabling the user to give input commands, a touch-interactive display 13 for allowing the user to give input commands, a telescopically operated suction cup 5 for griping a paper sheet, a multiple motorized clip 7 for gripping the paper sheet, a primary block 8 encompassed with multiple round headed pneumatic pins 9 for engraving alphabets on the sheet, a secondary block 11 working simultaneously with primary block 8 for engraving alphabets on the sheet, a two-axis motorized slider 19 for providing motion to the suction cup 5, a telescopically operated Vernier caliper 18 for measuring the thickness of the paper sheet, a rectangular slab for 14 for a user to use flat-ended telescopic pins 15.

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