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(57) Abstract :

A nail grooming device comprises of a rectangular platform 1 positioned over surface for accommodating user's hand, the opposite sides of platform 1 are attached with guiding rail 2 positioned with vertical slider 3 attached with housing 4, a touch interactive display 5 to enable user to select grooming mode, an AI-based imaging module 6 to capture multiple images of user's hand, a laser sensor 7 to detect extended part of nails, a robotic arm 8 coupled with nail clipper 9 for cutting extend portion of nail, a primary electronically controlled nozzle 10 to spray water, a blower unit 12 to blow air, a motorized brush 13 to clean nails, an electronically controlled valve 15 for dispensing soap water, a robotic grinder 16 for grinding user's uneven nails, a laser printing arrangement 17 coupled with secondary electronically controller nozzle 18 to dispense ink.

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