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(57) Abstract :

An integrated bedside alarm system, comprising a mat 101 adapted to be positioned over a bedside surface, a sensing unit includes a plurality of load cells 102 to detect a weight of user as input to halt alarm, a lifting arrangement includes a base 103 and a scissor arrangement 104, to enable adjustment of height of mat 101 as per requirement, a diffuser includes a plurality of chambers 105 and each chamber is attached with a nozzle 106 to diffuse a fragrant substance stored in chamber, a massaging unit to provide a massage to the user's feet by rotation of rollers 108 and brushes 109, a self-sanitising unit includes a plurality of UV emitters 111 to sanitise mat 101 at regular intervals, a plurality of pneumatic pins 112 to stimulate key pressure points in feet of user.

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