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(57) Abstract :

The present invention relates to a self-driven lifting device, comprises of a pair of rods 1 placed vertically, a flat horizontal plate 2 to accommodate user(s) to relocate between floors, a telescopic bar 4 equipped with a handle 5 gripped by user(s), a display panel 6 to enter command regarding floors user(s) wish to relocate, a semicircular ring 7, set of electromagnet 15 fabricated within ring 7 to further restrict movement of plate 2, multiple wheels 16 to facilitate movement of plate 2 over vertical rods 1 for relocation, an ultrasonic sensor 8 to determine distance between plate 2 and a base of building to activates maximum number of wheels 16 to reduce speed of movement of plate 2 over rods 1 while descending and a weight sensor 9 to determine weight of user(s) over plate 2, a speaker 10 to alert user regarding overweighing of plate 2.

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