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(57) Abstract :

A beverage container holding device comprises of multiple telescopically operated rods arranged in manner to form rectangular shaped body 1 that is utilized by a user to store beverage container, an artificial intelligence image capturing module 2 determines dimension of container to extend/retract rods for accommodating container, a weight sensor detects weight of container and accordingly actuates multiple pneumatic pins 3 followed by actuation of telescopically operated rods for crushing container in case weight recedes a threshold value, a motorized iris lid 4 crafted underneath body 1 opens/closes for dispensing crushed container within a chamber 5, a GPS (Global positioning system) linked to microcontroller fetches real time location of nearby dustbins and accordingly notifies user regarding dustbins placed in proximity of body 1, a motorized ball and socket joint installed between handle 7 and body 1 provides tilting motion to body 1, thereby discarding the crushed container.

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