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(57) Abstract :

A sustainable garment maintenance assistive system, comprising a housing 101, a conveyor 102 provided with an opening 103 of housing 101 to enable a user to place garments on conveyor 102, a camera 104 captures images of garments to determine number and type of garments on conveyor 102, an identification module generate a unique token number for set of garments and pair individually identified garments to token number, a multi-section compartment 105 to store garments in a segregated manner, a robotic arm 109 transfers garments from conveyor 102 to assigned sections, a multi-plate assembly 110 for ironing, spot cleaning and folding of garments, a cleaning arrangement to clean stains detected on garments, a steaming unit 122 for removing wrinkles of garments, an imaging unit 123 to capture images of garment to determine shape and dimensions, and a plurality of cabinets 124 to store garments segregated as per token number.

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