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(57) Abstract :

The present invention relates to an automatic paired clothing packaging device, comprising, a body 1 configured into a first 2 and second 3 section, first section 2 includes inlet port 4 equipped with iris opening 5 for manually providing unsorted bunch of clothes inside body 1, sorting conveyer 6 associated with inlet port 4 for segregation and movement of clothes separated from bunch towards second 3 section, artificial intelligence based imaging unit 7 for detecting color, size, shape and pattern of clothes to identify corresponding pair, two telescopic arms 8 for picking clothes belonging to pair and placing it over platform 9a, multiple folding elements 9b are opened or closed in a synchronized manner to fold clothes together for obtaining unified pair and strapping arrangement 10 for pasting ends of two straps covering pair, thereby packaging pair together.

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