

Title (en)

Apparatus and method for disentangling workpieces.

Title (de)

Vorrichtung und Verfahren zum Entwirren von Werkstücken.

Title (fr)

Appareil et méthode pour séparer des objets emmêlés.

Publication

EP 0000817 A1 19790221 (EN)

Application

EP 78300192 A 19780725

Priority

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Abstract (en)

An apparatus and method for disentangling workpieces is disclosed. <??>The apparatus comprises a container (1) into which the entangled workpieces are placed, a series of air jets (55) located in the base of the container, and an outlet assembly (7) consisting of a pair of overlapping relatively slidable comb-shaped plates (8,9) defining a series of slots (7 min) of adjustable width. Previous disentanglers have utilised tubular outlet means which have often been connected to long dispensing tubes. Problems with such previous devices are that the feed rate is restricted by the cross-sectional area of the outlet tubes and that the workpieces can become entangled in the outlet means. The use of slots (7 min) brings about a substantial improvement. An electropneumatic circuit is disclosed which periodically widens the slots to release any trapped workpieces. A circulatory flow (C) of the workpieces is produced in the container and the disentangling is brought about primarily by the brushing action of the workpieces against the slots.

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