Title (en)
Apparatus and method for segregating counted slugs of flat folded boxes.

Title (de)
Vorrichtung und Verfahren zum Trennen von abgezählten Mengen flach gefalteter Packungen.

Title (fr)
Appareil et méthode pour séparer des lots couplés de boîtes pliées à plat.

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EP 0162167 A2 19851127 (EN)

Application
EP 84306353 A 19840918

Priority
US 60979184 A 19840514

Abstract (en)
An apparatus (47) for handling a plurality of flat, collapsed, folded paper boxes (23) which have been produced on a high speed, folder-gluer (37, 38, 39), delivered in shingled formation (41) onto the advancing apron (21) of a stacker (22), counted into slugs (42, 43, 44) of about fifty each and must be packed into cases for shipment. To enable an operator to grasp individual and successive lifts of the flats (23) between her hand and remove them for packing, the apparatus includes a secondary apron (26) traveling at less speed than the stacker apron (21) to raise the shingled flats (23) upstanding on lower edge (27), hold down belts (33) to prevent misalignment and a transversely movable segregation rod (77) mounted on a carriage (62) movable horizontally alongside the path (24) of the flats (23). The carriage (62) has one-way clutch rollers (81, 85) so that the rod (77) will hold back the leading flat (45) but the carriage (62) will roll freely back to the next slug (43). Speed reduction mechanism (99) may be used to advance the carriage (62) at less speed than the apron (26) to compress the line (41) of flats (23) when edge stacking is desirable or necessary.

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