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(54) Improved carton packing apparatus.

(57) The invention relates to apparatus and a method adapted to pack a predetermined number of products into containers such as cartons (51), the invention providing for moving containers on a conveyor system (12) passed a delivery station (22) for the products to be packed and moving the predetermined number of products together in the direction of movement of the containers on the conveyor system (12) as well as towards the containers (51) whereby the products are delivered into the containers without the containers being stopped at the delivery station (22).

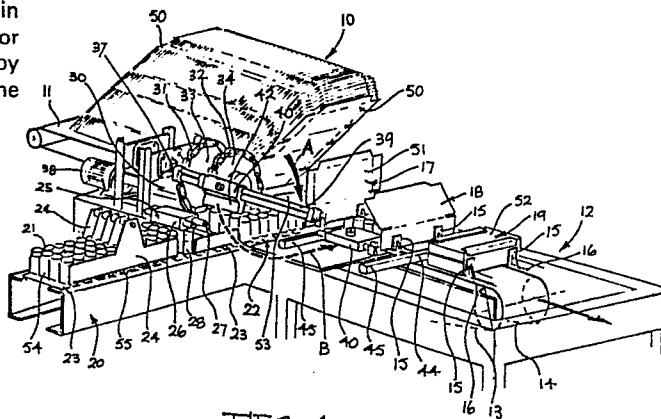


FIG. 1.

0092402



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EUROPEAN SEARCH REPORT

Application number

EP 83 30 2147

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
X	US - A - 3 269 091 (BARTELT) * Column 1, lines 9-17; column 2, line 9 - column 4, line 20; column 6, lines 8-61; figures 1-9 * -----	1,2, 13,14, 15,16	B 65 B 5/06 B 65 B 5/02 B 65 B 35/44
			TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
			B 65 B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 28-11-1983	Examiner CLAEYS
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			



CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid,
namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

X LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions.

namely:

- 1) Claims 1,13,16: Packaging apparatus and method Container
Claims 1,2,13,14,15: Carton handling means
- 2) Claims 1,3,4,5,6,7: Product delivery means
- 3) Claims 1,8,9,10,11,12: Actuating means

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid,
namely claims:
- ☒ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims,
namely claims: 1,2,13,14,15,16.