(1) Publication number:

**0 170 531** 

## 12

## **EUROPEAN PATENT APPLICATION**

21) Application number: 85305509.3

(51) Int. Cl.4: **B 65 B 61/14** 

22 Date of filing: **02.08.85** 

30 Priority: 03.08.84 GB 8419859

 Applicant: Tetra Pak International AB, P.O. Box 61, S-221 00 Lund (SE)

43 Date of publication of application: 05.02.86 Bulletin 86/6

(7) Inventor: Collins, Brian Davy, 3 Briar Lane Four Marks, Near Alton Hampshire (GB)

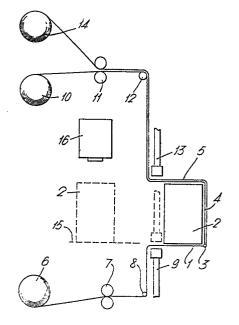
Designated Contracting States: AT BE CH DE FR GB IT LI LU NL SE

> Representative: Calderbank, Thomas Roger et al, MEWBURN ELLIS & CO. 2/3 Cursitor Street, London EC4A 1BQ (GB)

Date of deferred publication of search report: 15.04.87 Bulletin 87/16

## (54) Handles for wrapped packages.

② An article (2) is wrapped in three plastics films (1, 4, 5) which are secured together at or near the bottom of the article by heat sealing using heat sealing jaws (9 and 13). The films (1, 4, 5) are then conformed to the shape of the article (2) by e.g. heat shrinking using hot air blower (16). One of the films (5) has different properties from the others and conforms differently so that it forms a handle for the wrapping. Strength of attachment of the handle is achieved by the combined effect of the heat seal (3) and the "tack" of the plastics films (4, 5) along the sides of the article.





## **EUROPEAN SEARCH REPORT**

0170531

EP 85 30 5509

DOCUMENTS CONSIDERED TO BE RELEVANT				
ategory	Citation of document wit of relev	h indication, where appropriate, ant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
х	US-A-3 557 516 * Column 2, line line 37; figures	29 - column 8,	1-3	B 65 B 61/14
A			7,8	
				TECHNICAL FIELDS SEARCHED (Int. Cl.4)
				B 65 B B 65 D
	•			
	The present search report has be	een drawn up for all claims	1	
Place of search Date of completion of the search			1	Examiner
THE HAGUE		16-01-1987	CT.AF	YS H.C.M.

EPO Form 1503 03 82

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

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