



12

**EUROPEAN PATENT APPLICATION**

21 Application number: **88307542.6**

51 Int. Cl.4: **B65D 65/42**

22 Date of filing: **15.08.88**

30 Priority: **18.08.87 FI 873577**

71 Applicant: **A. Ahlström Corporation**

43 Date of publication of application:  
**22.02.89 Bulletin 89/08**

**SF-29600 Noormarkku(FI)**

84 Designated Contracting States:  
**AT BE CH DE ES FR GB GR IT LI LU NL SE**

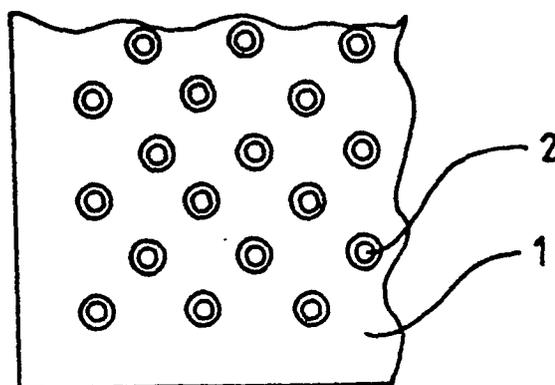
72 Inventor: **Katila, Matti**  
**Aimonkuja 1**  
**SF-27500 Kauttua(FI)**

88 Date of deferred publication of the search report:  
**31.01.90 Bulletin 90/05**

74 Representative: **Gilmour, David Cedric**  
**Franklyn et al**  
**POTTS, KERR & CO. 15 Hamilton Square**  
**Birkenhead Merseyside L41 6BR(GB)**

54 **Friction surface for packing foil or like with friction surface.**

57 The invention relates to a friction surface comprising a conventional foil (1), such as paper or plastic foil, and hot melt bulges (2) and pattern formed by them made on the foil surface by a screening technique. The foil (1) chosen to be used should be such that it is most suitable for the specific package, but the thickness of it should preferably be more than 35  $\mu\text{m}$  and it should at least temporarily endure the heat of about 140 - 180 ° C, which the hot melt has. The bulges made of hot melt are most advantageously made 50-150  $\mu\text{m}$  high, whereby their ability to adhere to other surfaces is excellent. By using filling materials of the hot melts the friction can be increased even more, but in such cases normally thicker basic foil has to be used so as to prevent the foil from tearing. By using a friction surface, considerably high piles of packages can be made. Because the hot melt can be remelted, the top packages can be bound together by spreading any kind of foil on them, which can be attached on the friction surface by heating.



**FIG. 2**

**EP 0 304 255 A3**



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.4)
X	US-A-4 253 562 (VANDENBERG et al.) * Column 2, lines 6-16; column 2, lines 32-55; figure 3 *	1-3,8	B 65 D 65/42
Y	----	4-5,7	
Y	FR-A-2 080 004 (JOHNSON & JOHNSON) * Page 1, lines 2-23; page 4, lines 27-30 *	4	
Y	US-A-2 917 223 (LE BOLT et al.) * Column 1, lines 15-19; column 2, lines 9-26; figure 2 *	5	
Y	DE-A-2 043 418 (SCHAEFER) * Page 6, last paragraph - page 7, first paragraph; figure 4 *	7	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			B 65 D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 02-11-1989	Examiner BRIDAULT A.A.Y.
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>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</p> <p>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</p> <p>.....  &amp; : member of the same patent family, corresponding document</p>			