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**EUROPEAN PATENT APPLICATION**

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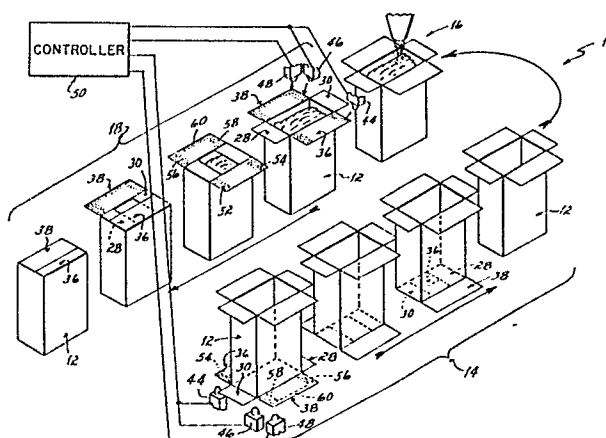
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⑴ Representative: **Eisenführ & Speiser, Martinistrasse 24, D-2800 Bremen 1 (DE)**

㉙ **Sift-Proof carton and method of manufacture.**

㉚ A sift-proof carton (12) and method of sealing the end flaps of same includes two minor flaps (28, 30) and an inner and outer major flap (36, 38) at the top and bottom of the carton. The inner and outer major flaps are each formed with a width less than the depth of the carton so that when folded a space or gap is formed beneath the outer major flap between the leading edge of the inner major flap and the fold line of the outer major flap. A sift-proof seal is formed between the flaps by applying ribbons or strips (56, 58, 60) of foamed hot melt adhesive along the outer ends of the inner major flap which is folded atop the minor flaps, and by applying strips of foamed hot melt adhesive in a block C shape onto the ends and middle of the outer major flap which is folded atop the minor flaps and inner major flap. The beads of foamed hot melt adhesive at the ends of the outer major flap fill the gap along the minor flaps beneath to create a sift-proof seal without the inner major flap extending completely across the top or bottom of the carton.



**EP 0 245 581 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) |
| Y  | US-A-3 140 809 (HICKIN)<br>* Column 3, line 43 - column 4,<br>line 38; figures * | 1-7  | B 31 B 1/62<br>B 31 B 5/74                    |
| Y,D  | US-A-3 831 342 (REJSA)<br>* Abstract; figures *                                  | 1-7  |   |
| A  | US-A-2 986 321 (SCHAICH)<br>* Figure 6 *   | 1-7  |   |
| A  | US-A-3 297 229 (BLUEM)   |  |   |
| A  | US-A-3 511 431 (SILVER)  |  |   |
| A  | GB-A-1 453 937 (FIBREBOARD)  |  |   |
| A  | FR-A-1 520 240 (SILVER)  |  |   |
| A  | US-A-3 077 064 (RUSSELL)   |  |   |
| The present search report has been drawn up for all claims   |  |  |   |
| Place of search<br>THE HAGUE   |  | Date of completion of the search<br>15-09-1987 | Examiner<br>PEETERS S.                        |
| <p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>X : particularly relevant if taken alone<br/> Y : particularly relevant if combined with another document of the same category<br/> A : technological background<br/> O : non-written disclosure<br/> P : intermediate document</p> <p>T : theory or principle underlying the invention<br/> E : earlier patent document, but published on, or after the filing date<br/> D : document cited in the application<br/> L : document cited for other reasons</p> <p>&amp; : member of the same patent family, corresponding document</p> |  |  |   |

TECHNICAL FIELDS  
SEARCHED (Int. Cl 4)

B 31 B  
B 65 B  
B 65 D  
B 27 G