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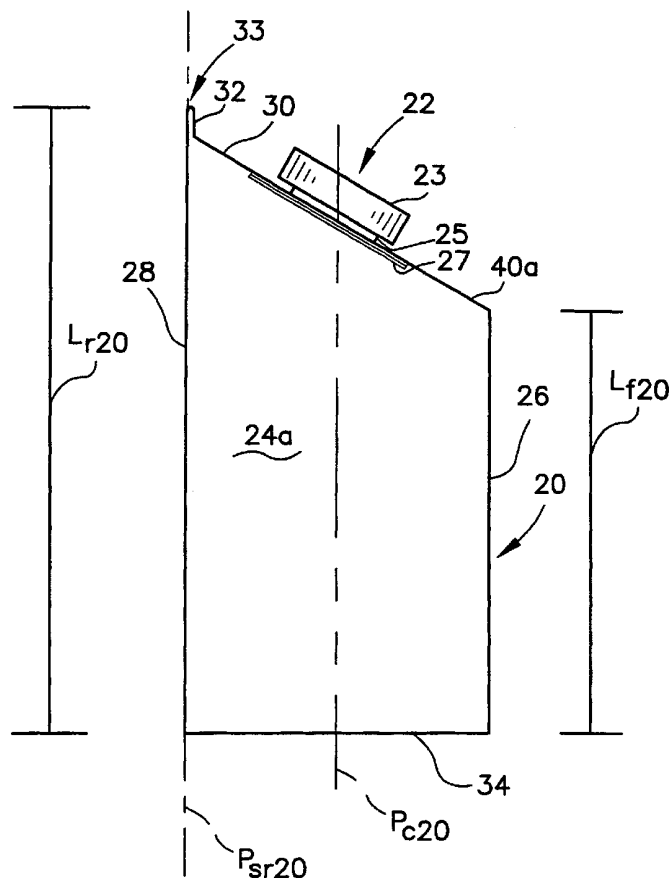
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[Continued on next page]

(54) Title: **EXTENDED TOP PANEL AND BLANK FOR PACKAGES**



(57) Abstract: A package (20) with an extended top panel (30) has a front wall (26), a rear wall (28) and a pair of parallel side walls (24a, b). The package (20) includes at least one top panel (30) that seals to the package (20) at a sealing region (33). A plane (PSR 20) through the sealing region is spaced from a central vertical plane (Pc20) through the package (20). The extended top panel (30) can extend to the rear wall (28) at the sealing region (33). A second lesser top panel (131) can extend from the rear wall (28) and can seal with the extended front panel (130) at an off-center top fin (132). A closure (22) is accommodated on the top panel (30) that has a cap (23) having a diameter greater than the diameter of an aperture (48) disposed through the extended top (30) panel. A blank (50) for the package (20) is also disclosed herein. The package (20) can include a handle (300) attached to its top fin (32) for carrying and displaying the package (20).



WO 00/63081 A3



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INTERNATIONAL SEARCH REPORT

International Application No

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B65D5/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B65D B43K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 802 759 A (LIGHTWAY LIMITED) 15 September 1936 (1936-09-15) page 1, left-hand column, line 19 -right-hand column, line 35; figures 1,4	1,2,4,6, 11,13, 18,19
Y	---	5,7,8
A	---	3,12,21
Y	US 5 636 785 A (KALBERER RODERICK W ET AL) 10 June 1997 (1997-06-10) column 2, line 41 - line 65; figures 1-4	5
A	---	1,3,4,7
Y	GB 1 391 147 A (HIDDING W E) 16 April 1975 (1975-04-16) page 1, left-hand column, line 46 -right-hand column, line 77; figures 1-3	7,8
A	---	1,2
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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"&" document member of the same patent family

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 350 110 A (WILL WILHELM) 27 September 1994 (1994-09-27) column 1, line 63 -column 2, line 27; figures 1,2 ---	1,3
A	US 4 333 569 A (HAMMACHER MARGARET F) 8 June 1982 (1982-06-08) column 1, line 35 - line 41; figures 1,2 ---	1,2,7-9
P,X	US 5 975 414 A (MOSS SHEILA ET AL) 2 November 1999 (1999-11-02) column 1, line 62 -column 2, line 11 column 3, line 22 - line 26; figure 3A -----	1,3-6, 18-25
A		2,7,11, 12,14-17

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
FR 802759	A	15-09-1936	NONE		
US 5636785	A	10-06-1997	NONE		
GB 1391147	A	16-04-1975	NONE		
US 5350110	A	27-09-1994	DE 9109758 U		26-09-1991
US 4333569	A	08-06-1982	NONE		
US 5975414	A	02-11-1999	WO 0030943 A		02-06-2000