

12 **EUROPEAN PATENT APPLICATION**

21 Application number: **85106016.0**

51 Int. Cl.⁴: **B 65 D 77/06, B 65 D 25/42,**
B 65 D 35/52

22 Date of filing: **15.05.85**

30 Priority: **22.05.84 DK 2497/84**

71 Applicant: **DANISH FANCY FOOD GROUP A/S,**
Toldbodgade 9-15, DK-5000 Odense (DK)

43 Date of publication of application: **27.11.85**
Bulletin 85/48

72 Inventor: **Helmich, Karl Jorgen, Anemonevaenget 3,**
DK-5200 Odense V. (DK)

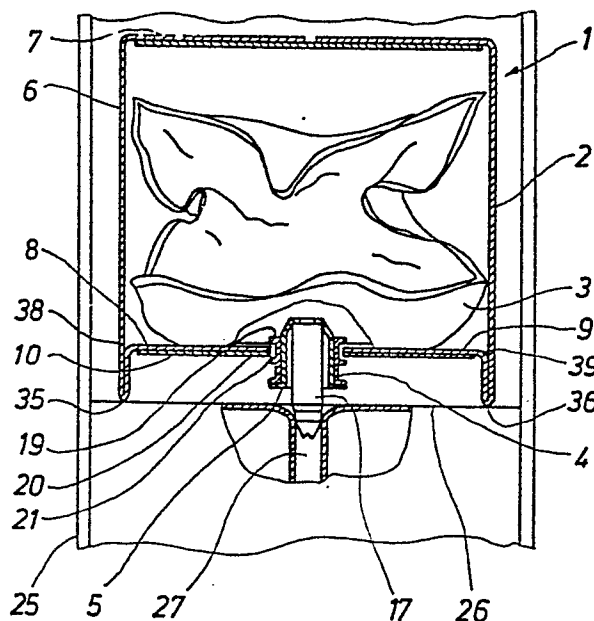
84 Designated Contracting States: **AT BE FR GB LU NL SE**

88 Date of deferred publication of search
report: **02.12.87 Bulletin 87/49**

74 Representative: **Kraus, Walter, Dr. et al, Patentanwälte**
Kraus, Weisert & Partner Thomas-Wimmer-Ring 15,
D-8000 München 22 (DE)

54 **A disposable package for storing and transporting a liquid or viscous product.**

57 A disposable package (1) for storing and transporting a liquid or viscous product such as for instance chocolate concentrate, and for dispensing said product in portions through a dispenser. This package comprises a rigid and load bearing outer cover (2), a flexible and tight bag (3) situated within said cover, and a stub (4) provided with a valve system (5). This valve system includes a cap-shaped body (17) of a flexible material, preferably rubber or plastics, and being connectable to a filling opening (27) in the dispenser (25). After a local cutting up of this body it forms a nozzle (17). The packed product can be dispensed from the inner bag (3) through the nozzle when the package is positioned in the dispenser (25) in such a manner that the nozzle (17) engages the filling opening (27) correctly. The nozzle (17) closes automatically when subjected to atmospheric pressure and opens when subjected to a low pressure in the filling opening (27) of the dispenser (25). Consequently, the product is dispensable in portions and possesses simultaneously a long storability in said package. Furthermore, the disposable package is easier and more hygienic to use in the dispenser than previously known, and the waste at the emptying is minimized.





European Patent
Office

EUROPEAN SEARCH REPORT

0162417

Application number

EP 85 10 6016

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-4 375 864 (C. SAVAGE) * Figures 2,5,6,8,9; column 3, lines 16-24; column 4, lines 23-28; column 5, lines 5-8 *	1-4,6-8	B 65 D 77/06 B 65 D 25/42 B 65 D 35/52
Y	US-A-2 550 132 (W.E. WOODS) * Figures 3,5; column 1, lines 5-7, lines 34-49; claim *	1-4,6-8	
Y	GB-A-1 046 900 (BOWATER PACKAGING LTD) * Figures 1-5; page 3, lines 3-23 *	6,7	
A		3-5	TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
Y	US-A-4 323 586 (F.E. LONG) * Column 3, lines 29-35,49-51 *	8	B 65 D
A	GB-A-1 416 816 (SCHOLLE CORP.) * Figures 1-3 *	1	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 17-09-1987	Examiner PERNICE, C.
<p>CATEGORY OF CITED DOCUMENTS</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 & : member of the same patent family, corresponding document</p>			