PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : B65D 23/06, 47/40, 1/02 — A3

(11) International Publication Number: **WO 95/09113**

(43) International Publication Date: 6 April 1995 (06.04.95)

(21) International Application Number: PCT/BE94/00061

(22) International Filing Date: 27 September 1994 (27.09.94)

(30) Priority Data:
9301010 27 September 1993 (27.09.93) BE

(71) Applicant *(for all designated States except US)*: RESILUX [BE/BE]; Damstraat 4, B-9230 Wetteren (BE).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: DE CUYPER, Dirk [BE/BE]; Bonsgrachtstraat 1, B-9070 Destelbergen (BE).

(74) Agents: VAN CUTSEM, Paul et al.; Bureau Vander Haeghen S.A., Rue Colonel Bourg 108A, B-1040 Brussels (BE).

(81) Designated States: AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KR, KZ, LK, LT, LU, LV, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, UA, US, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).

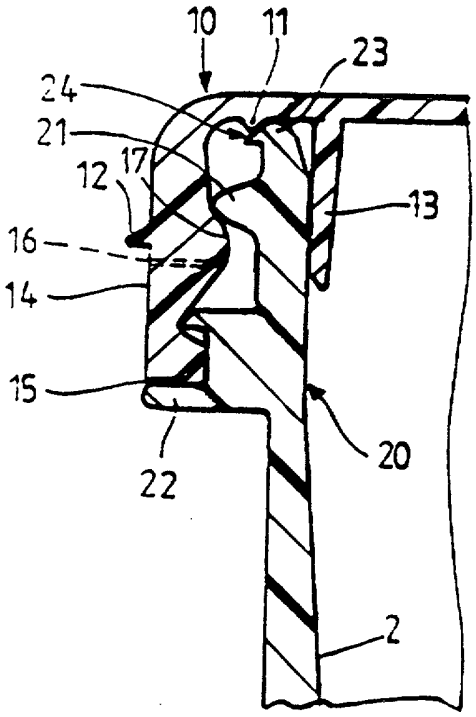
Published
With international search report.
Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(88) Date of publication of the international search report:
3 August 1995 (03.08.95)

(54) Title: PREFORM WITH CLOSURE

(57) Abstract

Preform, in particular intended as a container for viscous liquids, the rotational wall of which extends in an elongated manner along a longitudinal axis (1) and is bounded at one end by a bottom (4), and at the opposite end has a pouring opening (5) which can be closed by means of a closure cap (10), the preform having at the above-mentioned opposite end a fixed pouring spout (20) which is integral with the above-mentioned rotational wall (1).



FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AT	Austria
AU	Australia
BB	Barbados
BE	Belgium
BF	Burkina Faso
BG	Bulgaria
BJ	Benin
BR	Brazil
BY	Belarus
CA	Canada
CF	Central African Republic
CG	Congo
CH	Switzerland
CI	Côte d'Ivoire
CM	Cameroon
CN	China
CS	Czechoslovakia
CZ	Czech Republic
DE	Germany
DK	Denmark
ES	Spain
FI	Finland
FR	France
GA	Gabon
GB	United Kingdom
GE	Georgia
GN	Guinea
GR	Greece
HU	Hungary
IE	Ireland
IT	Italy
JP	Japan
KE	Kenya
KG	Kyrgystan
KP	Democratic People's Republic of Korea
KR	Republic of Korea
KZ	Kazakhstan
LI	Liechtenstein
LK	Sri Lanka
LU	Luxembourg
LV	Latvia
MC	Monaco
MD	Republic of Moldova
MG	Madagascar
ML	Mali
MN	Mongolia
MR	Mauritania
MW	Malawi
NE	Niger
NL	Netherlands
NO	Norway
NZ	New Zealand
PL	Poland
PT	Portugal
RO	Romania
RU	Russian Federation
SD	Sudan
SE	Sweden
SI	Slovenia
SK	Slovakia
SN	Senegal
TD	Chad
TG	Togo
TJ	Tajikistan
TT	Trinidad and Tobago
UA	Ukraine
US	United States of America
UZ	Uzbekistan
VN	Viet Nam

INTERNATIONAL SEARCH REPORT

Inte. onal Application No
PCT/BE 94/00061

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 B65D23/06 B65D47/40 B65D1/02

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 6 B65D

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO,A,84 01541 (HUNT-WESSON FOODS INC.) 26 April 1984 see claim 1	1-4,7,8, 17-19
Y	---	5,6,9-13
X	EP,A,0 329 881 (OWENS-ILLINOIS PLASTIC PRODUCTS INC.) 30 August 1989 see column 3, line 44 - column 3, line 58	1,17-19
Y	--- EP,A,0 160 309 (GOTTFRIED RODER HERSTELLUNG VON KUNSTSTOFFERZEUGNISSEN) 6 November 1985	5,6,10
Y	--- WO,A,89 07553 (STÖLZLE-OBERGLAS AKTIENGESELLSCHAFT) 24 August 1989	9
	--- -/--	

[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

2

Date of the actual completion of the international search	Date of mailing of the international search report
7 June 1995	05. 07. 95
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016	Authorized officer Roberts, P

Form PCT/ISA/210 (second sheet) (July 1992)

INTERNATIONAL SEARCH REPORT

Inte .onal Application No
PCT/BE 94/00061

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US,A,4 925 063 (ALI,WATT,WILSON) 15 May 1990 see column 1, line 7 - line 10 see column 4, line 49 - line 66; figure 2	11-13
A	FR,A,2 139 744 (CAPTOCAP LIMITED) 12 January 1973	1
A	WO,A,92 22465 (THE PROCTER & GAMBLE COMPANY) 23 December 1992	1
A	WO,A,89 07553 (STÖLZLE-OBERGLAS AG) 24 August 1989	11
A	US,A,3 841 512 (BOTKIN) 15 October 1974	11

2

INTERNATIONAL SEARCH REPORT

rnational application No.
PCT/BE 94/00061

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. Claims 1-13, 17-19
2. Claims 14-16

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. ☐ As all searchable claims could be searches without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☒ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

1-13,17-19

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☒ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

Inte onal Application No
PCT/BE 94/00061

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO-A-8401541	26-04-84	US-A-	4545953	08-10-85
		AU-A-	2200683	04-05-84
		CA-A-	1214610	02-12-86
		EP-A-	0121567	17-10-84
EP-A-0329881	30-08-89	AU-A-	1510888	31-08-89
		AU-B-	622564	09-04-92
		AU-A-	5768590	11-10-90
		CA-A-	1319910	06-07-93
		CN-B-	1021563	14-07-93
		DE-D-	3886373	27-01-94
		DE-T-	3886373	07-04-94
		ES-T-	2047545	01-03-94
		JP-A-	1226553	11-09-89
		US-A-	5114659	19-05-92
		US-A-	5207356	04-05-93
		ZA-A-	8803037	04-11-88
EP-A-0160309	06-11-85	JP-A-	61021343	30-01-86
WO-A-8907553	24-08-89	NONE		
US-A-4925063	15-05-90	NONE		
FR-A-2139744	12-01-73	NONE		
WO-A-9222465	23-12-92	US-A-	5228596	20-07-93
		AU-A-	2293192	12-01-93
		CA-A-	2111591	23-12-92
		EP-A-	0588974	30-03-94
		JP-T-	6508325	22-09-94
WO-A-8907553	24-08-89	NONE		
US-A-3841512	15-10-74	US-A-	3716162	13-02-73