



(11)

EP 4 484 326 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
09.04.2025 Bulletin 2025/15

(43) Date of publication A2:
01.01.2025 Bulletin 2025/01

(21) Application number: **24198027.5**

(22) Date of filing: **17.09.2019**

(51) International Patent Classification (IPC):
B65D 41/34 ^(2006.01) **B01L 3/02** ^(2006.01)
B65D 47/18 ^(2006.01) **B65D 51/24** ^(2006.01)
B65D 53/04 ^(2006.01) **B65D 53/10** ^(2006.01)
B65D 51/18 ^(2006.01)

(52) Cooperative Patent Classification (CPC):
B65D 41/3452; B01L 3/0282; B65D 47/18;
B65D 51/18; B65D 51/24; B65D 53/04;
B65D 53/10; B01L 2300/042; B01L 2300/047;
B65D 2251/0015; B65D 2251/0087;
B65D 2251/205; B65D 2401/25

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR

(30) Priority: **25.09.2018 GB 201815608**

(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
19772688.8 / 3 856 655

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(54) **A CONTAINER CLOSURE SYSTEM**

(57) The present invention provides a closure system for a medicament container such as a glass vessel or the like, the closure system comprising a conventional primary closure adapted for releasably sealing the medicament container, along with a conventional secondary closure member and integrated dropper adapted for releasably sealing the medicament container, with an adapter arranged to releasably secure the secondary closure member to the primary closure member when the primary closure member is in sealing engagement with the container.

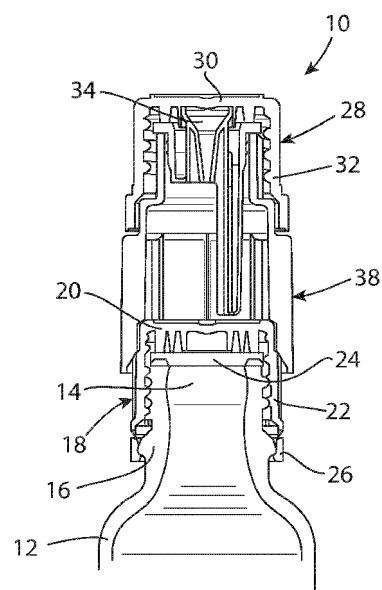


Fig 2



EUROPEAN SEARCH REPORT

Application Number

EP 24 19 8027

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2009/050514 A1 (DEVAUX-DAY PAULA [US]) 26 February 2009 (2009-02-26)	1,4-6, 9-11, 13-15	INV. B65D41/34 B01L3/02
Y	* paragraph [0023] - paragraph [0033];	1,11	B65D47/18
A	figures 1, 3 *	3,7,8,12	B65D51/24 B65D53/04
Y	DE 10 2016 224222 A1 (HEINLEIN PLASTIK TECHNIK GMBH [DE]) 7 June 2018 (2018-06-07) * paragraph [0023] - paragraph [0030]; figure 1 *	1,11	B65D53/10 B65D51/18
A	US 2007/201941 A1 (KOPTIS KURT [US]) 30 August 2007 (2007-08-30) * paragraph [0005]; figures 8, 14, 27 *	1-15	
X	EP 1 382 541 A1 (OREAL [FR]) 21 January 2004 (2004-01-21) * paragraph [0065] - paragraph [0084]; figure 18 *	1,2,11	
X	US 2005/284498 A1 (DEMAREST SCOTT W [US]) 29 December 2005 (2005-12-29) * abstract; figure 2 *	1,11	TECHNICAL FIELDS SEARCHED (IPC) B65D B01L
X	WO 02/055399 A1 (CHITO 153 CO LTD [KR]; JANG TAE SOUN [KR]; JANG MIN YOUNG [KR]) 18 July 2002 (2002-07-18)	1,11	
Y	* abstract; figures 5, 7 *	1,11	
A	EP 1 273 526 A1 (COREPE [FR]) 8 January 2003 (2003-01-08) * the whole document *	1	
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 13 February 2025	Examiner Mans-Kamerbeek, M
CATEGORY OF CITED DOCUMENTS 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		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	

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EP 24 19 8027

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

13 - 02 - 2025

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2009050514 A1	26-02-2009	NONE	
DE 102016224222 A1	07-06-2018	NONE	
US 2007201941 A1	30-08-2007	NONE	
EP 1382541 A1	21-01-2004	DE 60312779 T2	24-01-2008
		EP 1382541 A1	21-01-2004
		ES 2285061 T3	16-11-2007
		FR 2842509 A1	23-01-2004
		JP 3884414 B2	21-02-2007
		JP 2004049916 A	19-02-2004
US 2005284498 A1	29-12-2005	CA 2571943 A1	02-02-2006
		US 2005284498 A1	29-12-2005
		WO 2006012350 A2	02-02-2006
WO 02055399 A1	18-07-2002	KR 200228292 Y1	15-06-2001
		US 2003000910 A1	02-01-2003
		WO 02055399 A1	18-07-2002
EP 1273526 A1	08-01-2003	EP 1273526 A1	08-01-2003
		FR 2826639 A1	03-01-2003

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82