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(54) **Liquid supply device**

(57) Liquid supply device comprising a supply beak of the liquid itself (2), a coupling ferrule (3) with the container (4) containing the liquid, provided with at least one

opening (31) suitable for putting the liquid contained in the container in communication with the supply beak. Said device has a rotating regulation part suitable for at least partially plugging said opening.

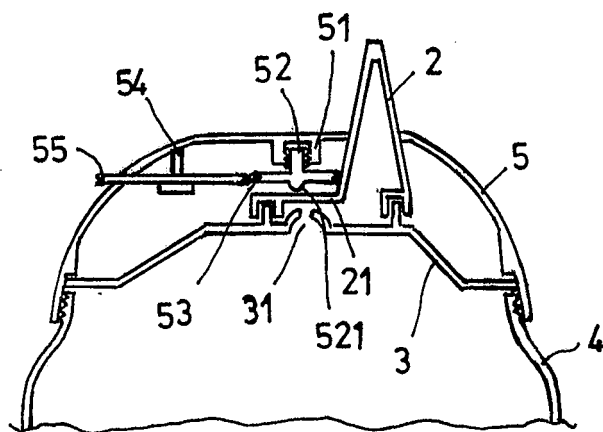


Fig. 1



EUROPEAN SEARCH REPORT

Application Number
EP 07 11 0303

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	WO 2005/115204 A (SWILION BV [NL]; OOSTERLING PIETER ADRIAAN [NL]) 8 December 2005 (2005-12-08) * page 3, line 20 - page 11; figures * -----	1,9	INV. A47G19/22 B65D47/26 B65D47/30
X	US 6 062 419 A (KRUEGER BURKHARD [DE] ET AL) 16 May 2000 (2000-05-16) * column 3, line 45 - column 5, line 9; figures * -----	1,9	
X	US 2002/179615 A1 (HAKIM NOURI E [US]) 5 December 2002 (2002-12-05) * paragraphs [0015] - [0087]; figures * -----	1,9	
A	DE 43 17 550 A1 (ZELLER PLASTIK KOEHN GRAEBNER [DE]) 1 December 1994 (1994-12-01) * column 1, line 43 - column 2, line 35; figures * -----	2	
A	US 6 557 717 B1 (KECK DAVID [US]) 6 May 2003 (2003-05-06) * column 2, line 29 - column 3, line 21; figures * -----	2	TECHNICAL FIELDS SEARCHED (IPC) B65D A47G
A	US 2 623 662 A (VOJTECH BALCAR) 30 December 1952 (1952-12-30) * column 1, line 53 - column 4, line 5; figures * -----	8	
A	US 8253 A (JERRY AUGER) 11 November 1909 (1909-11-11) * the whole document * -----	8	
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 12 March 2010	Examiner Van Bastelaere, Tiny
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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EPO FORM 1503 03.82 (P04C01)



Application Number

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☒ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

1-2, 8-9

☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION
SHEET B**

Application Number

EP 07 11 0303

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-2, 9

Liquid supply device defined by toothed wheel opening system.

2. claim: 3

Liquid supply device defined by disk with cam opening system.

3. claim: 4

Liquid supply device defined by flexible cylinder with threaded ring opening system.

4. claim: 5

Liquid supply device defined by threaded annular seat with stopper opening system.

5. claim: 6

Liquid supply device defined by oscillating lamella with screwing ring opening system.

6. claim: 7

Liquid supply device defined by a pass-through annular seat with screw and flexible beak opening system.

7. claim: 8

Liquid supply device defined by pass-trough seat with screw and plugging pins opening system.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 07 11 0303

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
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12-03-2010

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EPO FORM P0459

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