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(54) **Automatic dispenser of liquids, in particular of milk**

(57) This invention proposes an automatic dispenser of liquid products, in particular milk coming from dairy farms. It comprises at least one, two, three or more individual, containers (11) for the product, of a limited capacity, transportable and replaceable manually, at least one

dispenser nozzle (12) controlled by the product in communication with each container, a recycle line (16) of the product using said nozzle between each successive delivery, and an automatic washing system (19-21) of said nozzle after each delivery of the product.

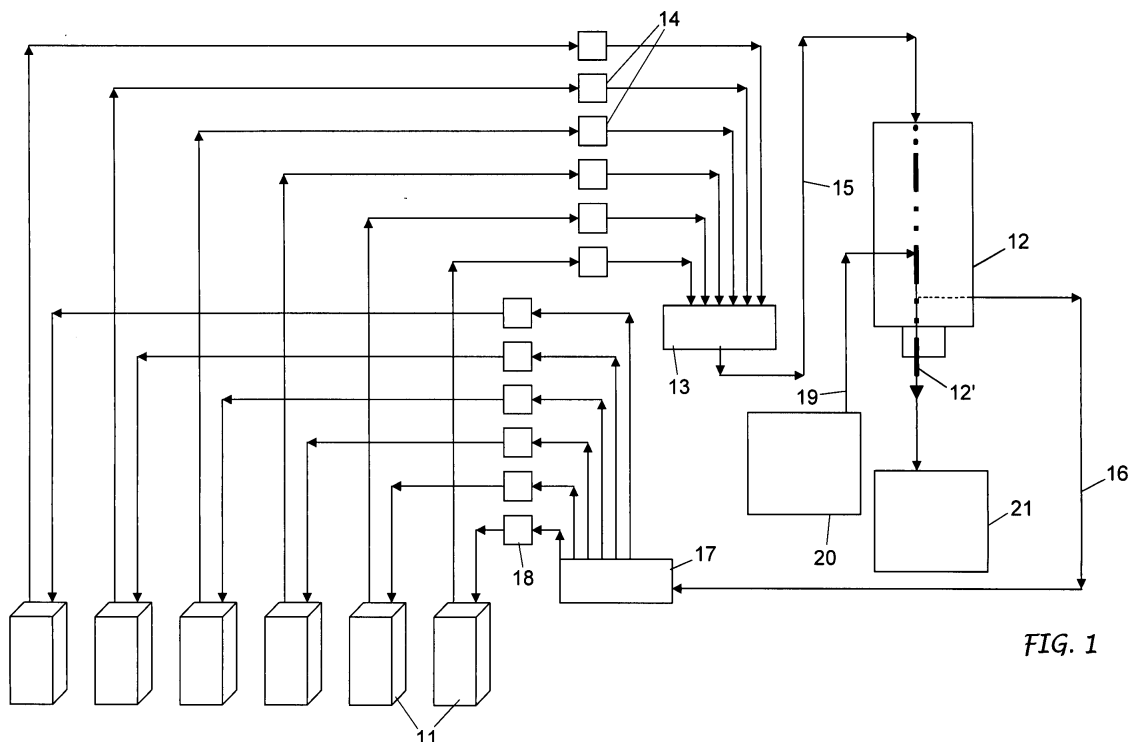


FIG. 1



EUROPEAN SEARCH REPORT

Application Number
EP 08 42 5185

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	DE 35 28 273 C1 (MILCHQUELLE-ZAPFTECHNIK) 2 April 1987 (1987-04-02)	1,7	INV. B67D3/00 B67D1/07
Y	* column 1, line 50 - column 2, line 3 * * column 2, line 60 - column 3, line 16; figures *	2-6,8	
Y	----- GB 2 160 178 A (GRANDMET VENDING SERVICES LIMI) 18 December 1985 (1985-12-18) * page 1, lines 71-78; figure *	2,3,8	
Y	----- US 2003/201337 A1 (CARHUFF PETER W [US] ET AL) 30 October 2003 (2003-10-30) * paragraphs [0016], [0017], [0030]; figures *	4-6	
A	----- GB 904 380 A (ARTUR GANTNER) 29 August 1962 (1962-08-29) * page 1, lines 8-35; figures *	1	
A	----- EP 0 440 310 A (BONGRAIN [FR]) 7 August 1991 (1991-08-07) * column 2, line 41 - column 4, line 1; figures 1,2,4 * -----	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			B67D
Place of search		Date of completion of the search	Examiner
Munich		23 April 2009	Müller, Claus
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 08 42 5185

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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23-04-2009

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
DE 3528273	C1	02-04-1987	SE	459335 B		26-06-1989
			SE	8603311 A		06-02-1988

GB 2160178	A	18-12-1985	NONE			

US 2003201337	A1	30-10-2003	AU	2003227628 A1		10-11-2003
			BR	0309561 A		15-02-2005
			CA	2483465 A1		06-11-2003
			CN	1649793 A		03-08-2005
			WO	03091152 A2		06-11-2003
			EP	1501755 A2		02-02-2005
			HK	1077800 A1		21-09-2007
			HR	20041004 A2		31-12-2004
			JP	2005523850 T		11-08-2005
			MX	PA04010592 A		13-12-2004
			NZ	536044 A		27-10-2006
			RU	2312058 C2		10-12-2007
			TW	276468 B		21-03-2007
			UA	77079 C2		17-01-2005
			ZA	200409545 A		22-02-2006

GB 904380	A	29-08-1962	CH	379942 A		15-07-1964

EP 0440310	A	07-08-1991	CA	2001701 A1		28-04-1990
			DE	68909178 D1		21-10-1993
			DE	68909178 T2		03-02-1994
			DE	68909241 D1		21-10-1993
			DE	68909241 T2		03-02-1994
			EP	0369846 A2		23-05-1990
			ES	2046513 T3		01-02-1994
			ES	2046841 T3		01-02-1994
			FR	2638442 A1		04-05-1990
			US	5114045 A		19-05-1992

EPO FORM P0459

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