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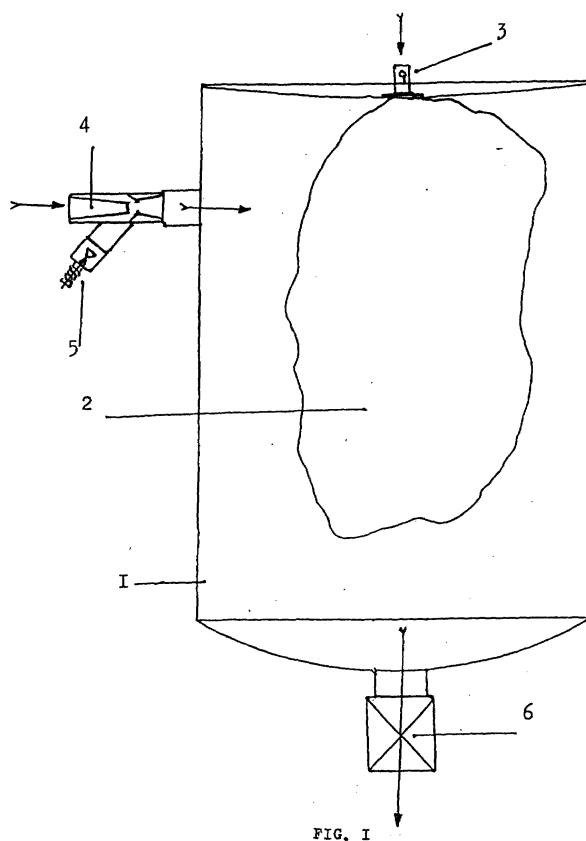
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(54) **W.C. pressure cistern with air bag and injector**

(57) A pressure cistern for flushing a toilet, with an airbag, an injector and its own outlet valve.

A pressure cistern for flushing a toilet (fig. 1), containing an airbag (2) or airbags. It fills with water through an injector (3) which also supplies the air vessel with air

pumped in from the atmosphere through a non-return valve (5). The valve in figure 2 may be fitted to the cistern, or the valve in figure 3 may be fitted to the cistern's outlet pipe, so that water flows out through the valve in figure 2 or figure 3 towards the toilet bowl.



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EUROPEAN SEARCH REPORT

Application Number
EP 01 60 0002

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.7)
X	US 3 029 443 A (NACCARATO TONY C) 17 April 1962 (1962-04-17) * column 2, line 2 - line 21; figures 1,3 *	1	E03D3/10
X	US 5 596 772 A (SCHOEN OTMAR) 28 January 1997 (1997-01-28) * column 5, line 50 - line 65; figures *	1	
A	GB 513 703 A (BERTHA FRANCES FARMER) 19 October 1939 (1939-10-19) * page 6, line 41 - line 48 *	1	
A	US 3 643 265 A (WISWELL GEORGE C JR) 22 February 1972 (1972-02-22) * abstract *		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			E03D
Place of search		Date of completion of the search	Examiner
MUNICH		2 October 2002	Ellis, D
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.**

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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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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3029443	A	17-04-1962	NONE	
US 5596772	A	28-01-1997	DE 4222502 A1	13-01-1994
			AT 148533 T	15-02-1997
			CA 2138384 A1	20-01-1994
			DE 59305349 D1	13-03-1997
			DK 649500 T3	16-06-1997
			WO 9401680 A1	20-01-1994
			EP 0649500 A1	26-04-1995
			ES 2096307 T3	01-03-1997
			GR 3022537 T3	31-05-1997
			JP 7508821 T	28-09-1995
GB 513703	A	19-10-1939	NONE	
US 3643265	A	22-02-1972	NONE	