



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
26.03.2003 Bulletin 2003/13

(51) Int Cl.7: **E03D 1/01**, E03D 1/012,
E03D 5/02, E03D 1/00,
E03D 1/14, E03D 5/10

(43) Date of publication A2:
20.11.2002 Bulletin 2002/47

(21) Application number: **02010840.3**

(22) Date of filing: **15.05.2002**

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR
Designated Extension States:
AL LT LV MK RO SI

(72) Inventor: **Varotti, Mario**
25078 Vestone (IT)

(74) Representative: **Boggio, Luigi et al**
STUDIO TORTA S.r.l.,
Via Viotti, 9
10121 Torino (IT)

(30) Priority: **16.05.2001 IT MI20010276**

(71) Applicant: **VALSIR S.p.A.**
25078 Vestone (BS) (IT)

(54) **Modular system for forming lavatory flush tanks with different operating modes, and lavatory flush tank forming part of such a modular system**

(57) A modular system (1) for forming lavatory flush tanks (2) with different operating modes, and including at least one water tank (3) having an opening (13) formed through one wall (4); at least one flush device

(14) housable inside the water tank; and a number of control assemblies (15) of different interchangeable types, each of the control assemblies (15) being partly insertable through the opening (13), and having releasable fastening means (21) for connection to the wall (4).

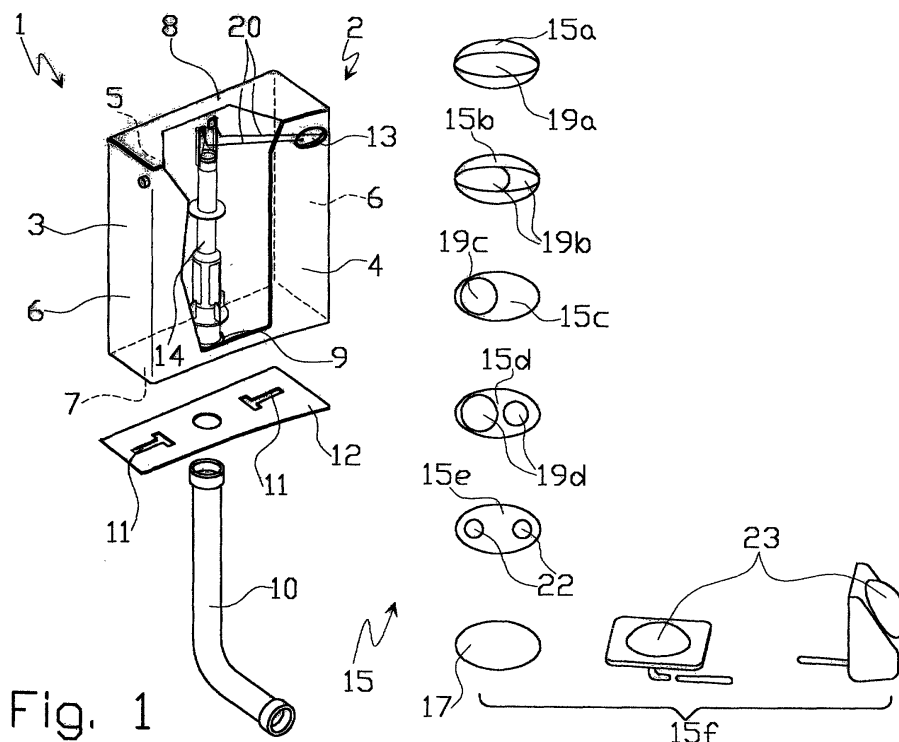


Fig. 1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 02 01 0840

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	EP 0 733 749 A (FRIATEC KERAMIK KUNSTSTOFF) 25 September 1996 (1996-09-25) * abstract * * column 5, line 8 - line 18; figures 1-3 * * column 6, line 19 - column 7, line 28 * ---	1-14	E03D1/01 E03D1/012 E03D5/02 E03D1/00 E03D1/14 E03D5/10
X	EP 1 039 050 A (VALSIR S P A) 27 September 2000 (2000-09-27) * abstract * * column 1, line 39 - line 49; figures 1-3 * * column 2, line 21 - column 3, line 12 * * column 3, line 52 - column 4, line 28 * ---	1-14	
X	FR 2 290 541 A (UNITED PACKAGES LTD) 4 June 1976 (1976-06-04) * page 3, line 12 - line 18; figures 2,3 * ---	1-7, 9-12,14	
A	US 6 182 302 B1 (MARTI SILVIO ET AL) 6 February 2001 (2001-02-06) * the whole document * ---	1-14	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
A	EP 0 924 353 A (GEBERIT TECHNIK AG) 23 June 1999 (1999-06-23) * abstract; figures 1,2 * ---	1-14	E03D
A	DE 41 16 320 A (NOETZOLD NORBERT) 19 November 1992 (1992-11-19) * column 5, line 1 - line 2; figure 1 * ---	1-14	
A	EP 0 890 680 A (GEBERIT TECHNIK AG) 13 January 1999 (1999-01-13) * abstract; figures 1,2 * ---	1-14	
		-/--	
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 31 January 2003	Examiner Flygare, E
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p> <p>& : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03/82 (P04C01)



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 02 01 0840

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)
A	WO 01 25553 A (RUTISHAUSER HEINZ ;GEBERIT TECHNIK AG (CH)) 12 April 2001 (2001-04-12) * page 4, line 10 - page 5, line 15; figure 1 * -----	1-14	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 31 January 2003	Examiner Flygare, E
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			

EPO FORM 1503 03/02 (P04C01)

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

EP 02 01 0840

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.

31-01-2003

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0733749	A	25-09-1996	DE	19510010 A1	10-10-1996
			AT	167250 T	15-06-1998
			CZ	9600813 A3	16-10-1996
			DE	59600256 D1	16-07-1998
			DK	733749 T3	01-03-1999
			EP	0733749 A1	25-09-1996
			ES	2117458 T3	01-08-1998
			HR	960136 A1	31-08-1997
			IL	117493 A	20-06-1999
			NO	961183 A	24-09-1996
			PL	313432 A1	30-09-1996
			SI	733749 T1	28-02-1999
			SK	37696 A3	06-11-1996

EP 1039050	A	27-09-2000	IT	T0990220 A1	22-09-2000
			EP	1039050 A2	27-09-2000

FR 2290541	A	04-06-1976	DE	2549719 A1	20-05-1976
			FR	2290541 A1	04-06-1976

US 6182302	B1	06-02-2001	AT	3007 U1	25-08-1999
			DE	29812224 U1	08-10-1998
			EP	0905328 A1	31-03-1999
			NO	983230 A	25-03-1999

EP 0924353	A	23-06-1999	AU	742152 B2	20-12-2001
			AU	9711098 A	01-07-1999
			DE	29820855 U1	25-03-1999
			EP	0924353 A2	23-06-1999

DE 4116320	A	19-11-1992	DE	4116320 A1	19-11-1992

EP 0890680	A	13-01-1999	AU	736583 B2	02-08-2001
			AU	7502398 A	14-01-1999
			DE	29808200 U1	23-07-1998
			EP	0890680 A1	13-01-1999

WO 0125553	A	12-04-2001	AT	4772 U1	26-11-2001
			AU	6552800 A	10-05-2001
			WO	0125553 A1	12-04-2001
			DE	20014027 U1	16-11-2000
			EP	1135559 A1	26-09-2001

EPO FORM P0459

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