

(19)



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(11)

EP 0 727 533 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
30.10.1996 Bulletin 1996/44

(51) Int Cl.⁶: **E03D 1/14**

(43) Date of publication A2:
21.08.1996 Bulletin 1996/34

(21) Application number: **96200356.2**

(22) Date of filing: **14.02.1996**

(84) Designated Contracting States:
**AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE**

(30) Priority: **17.02.1995 NL 9500316**
03.11.1995 NL 1001567

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(54) Double acting flush system

(57) The invention relates to a double-action flushing device (1) for a water closet, provided with a valve (2) which is moveable between a closing position in which it closes a discharge opening (3) of a cistern (4), a full flushing position in which it leaves the discharge opening (3) completely open and at least one intermediate flushing position, operating means (10) connected to the valve (2), a main float (8') co-acting with the valve (2) for holding thereof in the intermediate flushing position and at least one auxiliary float (9) co-acting with and holding the valve (2) in the full flushing position, characterized in that at least one of the floats (8,9') is directly connectable to the valve (2).

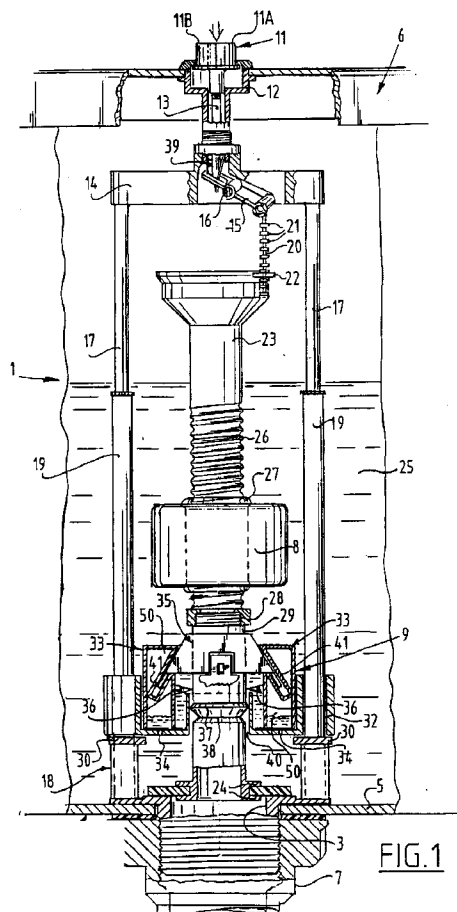


FIG.1

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EUROPEAN SEARCH REPORT

Application Number
EP 96 20 0356

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.6)
X	EP-A-0 010 945 (RAZ ET AL)	1-3,9	E03D1/14
A	* the whole document *	4	
A	DE-U-85 02 988 (ZIPSE) * page 3; figure 1 *	1,6,7,9	
A	FR-A-2 660 679 (STÉ PHOCEENNE DE MATIÈRES PLASTIQUES) * abstract *	8	
A	NL-A-9 100 986 (WISA BV) * the whole document *	8	
A	FR-A-2 548 328 (GEBERIT AG) * the whole document *	8	
A	DE-U-91 10 092 (GEBERIT AG) * figures 1,2 *	8	
A,D	EP-A-0 578 892 (ETABLISSEMENTS PORCHER) -----		<div>TECHNICAL FIELDS SEARCHED (Int.Cl.6)</div> <div>E03D</div>
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 5 September 1996	Examiner Van Beurden, J
<div>CATEGORY OF CITED DOCUMENTS</div> <div> 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 </div>			

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement 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.
- ☐ 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:
- ☐ None of the further search fees has 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:



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EP 96 20 0356 -B-

LACK OF UNITY OF INVENTION

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

1. Claims 1-7,9: Dual volume flushing valve
2. Claim 8 : Actuating device four double action flushing valve