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(72) Inventor: **Cameron, David**
Brighton, Michigan 48116 (US)

(74) Representative: **Gleiss, Alf-Olav et al**
Gleiss Grosse Schrell & Partner
Patentanwälte Rechtsanwälte
Leitzstrasse 45
70469 Stuttgart (DE)

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(71) Applicant: **Thetford Corporation**
Ann Arbor,
Michigan 48106 (US)

(54) **Reduced water consumption flush toilet having a common actuation mechanism that controls a water valve by a first flexible cable and controls a waste valve by a second flexible cable**

(57) A reduced water consumption flush toilet includes a bowl assembly defining a bowl and a discharge opening at a lower end of the bowl. The toilet additionally includes a valve mounted to the flush toilet for selectively opening and closing the discharge opening of the bowl assembly and a water valve for selectively delivering a source of flush water to the bowl. The toilet further includes a common actuator assembly for controlling both the waste valve and the water valve. The actuator assembly is coupled to the water valve through a first flexible cable and coupled to the waste valve through a second flexible cable. The actuator assembly includes a lever that is movable from a first position to an intermediate position and from the intermediate position to a second position such that in the first position the waste valve closes the discharge opening and the water valve is in the closed condition, in the intermediate position the waste valve closes the discharge opening and the water valve is in the open position for adding water to the bowl, and in the second position the waste valve opens the discharge opening and the water valve is in the open position for flushing the bowl.

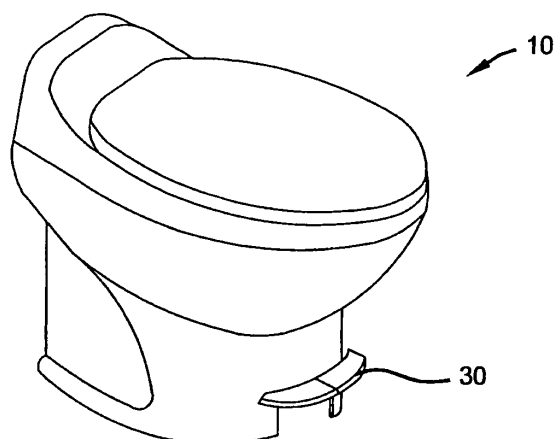


FIG 1

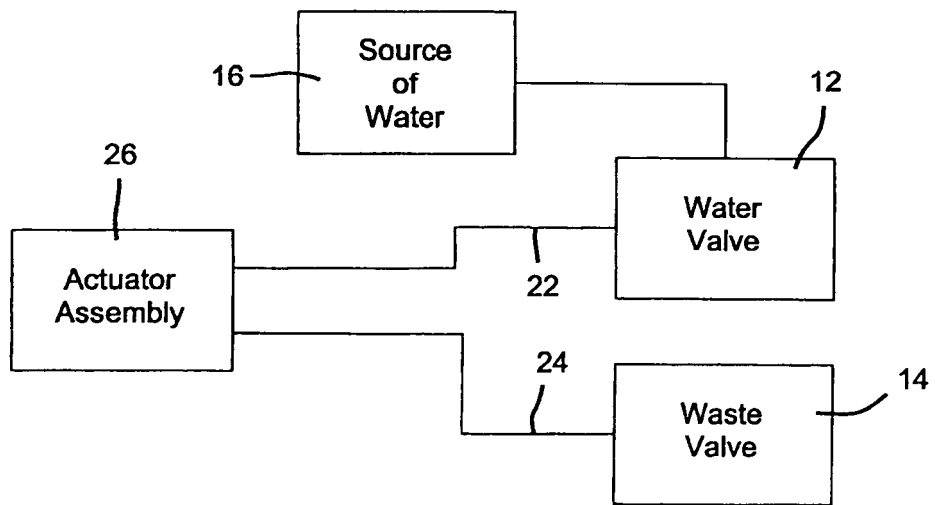


FIG 2



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 04 02 7617

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	US 4 710 988 A (STEWART JOHN M [CA]) 8 December 1987 (1987-12-08)	1,3,7,8	INV. E03D5/08
A	* column 9, line 41 - column 10, line 2; claims 1-7; figures *	2,4-6	
A	----- US 5 933 882 A (FLEMING DAVID CHARLES ROBERT [CA]) 10 August 1999 (1999-08-10) * the whole document *	1-8	
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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			E03D
Place of search		Date of completion of the search	Examiner
The Hague		11 April 2007	Vrugt, Sietse
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
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EP 04 02 7617

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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11-04-2007

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