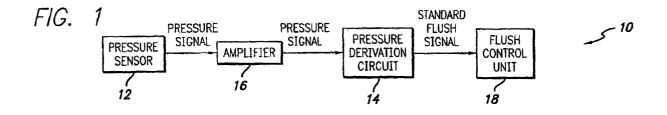
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(84)	Designated Contracting States: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE Designated Extension States: AL LT LV MK RO SI	 (72) Inventors: Rosenblatt, Mike M. Manhattan Beach, California 90266 (US) Ratliff, Robert G. Buena Park, California 90620 (US) 				
、 ,	Priority: 04.06.1999 US 326783 Applicant: MAG AEROSPACE INDUSTRIES, INC. Compton, CA 90224 (US)	 (74) Representative: Enskat, Michael Antony Frank Saunders & Dolleymore, 9, Rickmansworth Road Watford, Hertfordshire WD18 0JU (GB) 				

(54) System and method for a reduced water consumption vacuum toilet

(57) A system and method for reducing water consumption in a vacuum toilet on an aircraft. The system and method includes a weight sensing device (12) that is mounted to an aircraft toilet and is responsive to a weight applied to the seat (24) of the toilet. The weight sensing device (12) detects that a toilet user is seated upon the toilet seat (24) when it measures a weight applied to the toilet seat. On the other hand, the weight sensing device detects that a toilet user is standing when the weight sensing device (12) does not measure a weight applied to the toilet seat (24). A flush control unit (18) is connected to the weight sensing device and controls the amount of water utilized in the flushing of the toilet. When the toilet is flushed and the weight sensing device (12) has detected that a toilet user has sat upon the toilet seat (24), the flush control (18) unit commands that a standard amount of water be used to remove the solid waste of the toilet user. On the other hand, when the toilet is flushed and the weight sensing device (12) has detected that the toilet user has stood, the flush control unit (18) commands that a small amount of water be used thereby saving water.





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