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# **EUROPEAN PATENT APPLICATION**

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①⑦ Applicant: DAI-MING KUO  
226 Min-Chien Road  
Panchiao City Taipei Hsien(TW)

①⑦ Inventor: DAI-MING KUO  
226 Min-Chien Road  
Panchiao City Taipei Hsien(TW)

①④ Representative: Alexander, Thomas Bruce et al,  
Boulton, Wade & Tennant 27 Farnival Street  
London EC4A 1PQ(GB)

①④ Sterilizer for toilet spray attachment.

①⑦ A sterilizer for toilet spray attachment includes a reservoir (71) filled with sterilizing agent or cleaning chemical, a delivery tube (74) connected with the reservoir (71), a mixing portion (75) connected with the delivery tube (74) and connected between a water conduit (51 or 61) for supplying a pressurized water and a spray nozzle (5 or 6) adapted for spraying user's anus or genitals, whereby upon the supply of pressurized water, the liquid in the reservoir will be automatically drained or sucked into the mixing portion for thorough mixing and for final spraying and cleansing purposes for the toilet user. An automatic closer (8) may be further provided within the delivery tube (74) of chemical liquid for automatically closing the liquid drainage from the sterilizer reservoir (71) once the user leaving the toilet seat.

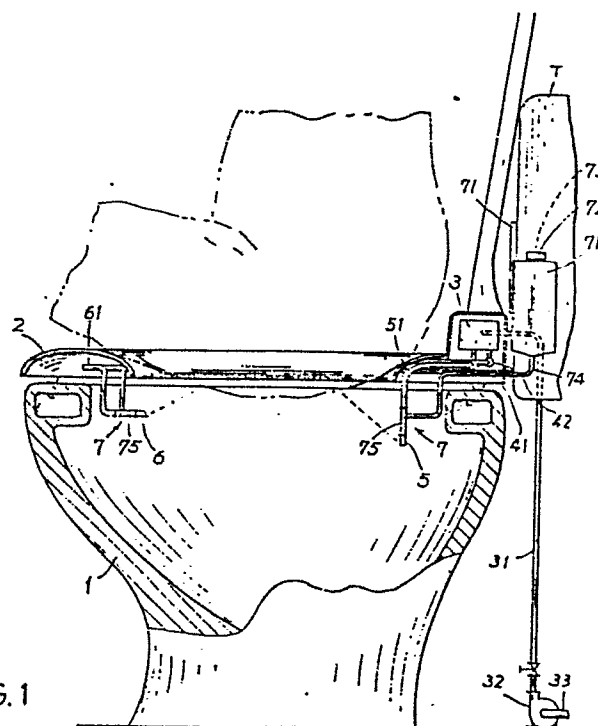


FIG.1

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.4)
Y.	US-A-4 441 219 (EPSTEIN) * Column 2, lines 52-68; columns 3-6; figures 1-4; abstract * ---	1	E 03 D 9/08
Y	FR-A-1 166 706 (DEPORT) * Whole document * ---	1	
Y	FR-A-1 096 194 (BERTHOUD) * Column 2, lines 13-27; figure 1 * ---	1	
A,D	US-A-2 875 450 (UMANN) -----		
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			E 03 D E 03 C
<del>XX</del>			
Place of search The Hague		Date of completion of the search 23-04-1987	Examiner HANNAART
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	



## 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.

## X 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) Claim 1
- 2) Claim 2: Concerns venturi (75b-78a)
- 3) Claims 3-5: Concerns automatic closer (8)

- ☐ 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: 1