(12)

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- (54) Vacuum toilet system for moving installations and civil constructions.
- It comprises a valve (4) which connects each bowl with a waste water storage tank (2), said valve (4) comprising a valve housing (21) with a cylindrical cavity (22) and a rotating cylinder (25) housed therein and provided with a transverse through conduit (26) which, when the valve is in the open position, connects inlet (23) and outlet (24) conduits of the valve, the ends of the transverse conduit being adapted so that the rotating cylinder (25) completes the closing of the inlet conduit (23) and of the outlet conduit (24) non-simultaneously. The border of the ends of said transverse conduit (26) and of the inlet (23) and outlet (24) conduits are provided with a cutting edge, so as to produce a scissor effect.

The system also comprises floating watertight joints (29) arranged within recesses in the adjacent surfaces of each pair of elements that undergo relative movement, said joints (29) being pressed against said surfaces by means of a pneumatic system when the moving elements (25) are at rest.

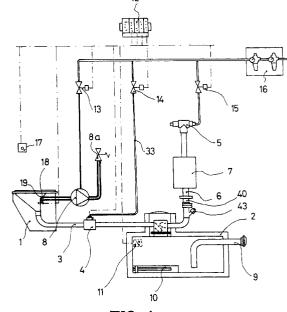


FIG. 1

EP 0 584 031 A3



EUROPEAN SEARCH REPORT

Application Number EP 93 50 0071

ategory	Citation of document wit of relevant	h indication, where appropriate, passages	Relevanto claim			
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	Place of search	Date of completion of the se	erch	Examiner		
	THE HAGUE	27 January	1994	DE COENE, P		
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category		IMENTS T: theory of E: earlier positive	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			
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a preser	nt European patent application comprised at t	he time of filing more t	han ten claims.				
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European Patent Office

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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 1-3,5-11:

A vacuum toilet system characterised by the valve connecting each bowl with a water storage tank

2. Claims 4,5:

A vacuum toilet system characterised by water-tightness means