

Title (en)

Vacuum toilet system for moving installations and civil constructions

Title (de)

Vakuumtoilettensystem für mobile Anlagen und zivile Gebäude

Title (fr)

Système de toilette à vide pour installations mobiles et constructions civiles

Publication

**EP 0584031 B1 19971015 (EN)**

Application

**EP 93500071 A 19930526**

Priority

ES 9201120 A 19920601

Abstract (en)

[origin: EP0584031A2] 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. <IMAGE>

IPC 1-7

**E03F 1/00**

IPC 8 full level

**E03D 5/00** (2006.01); **E03F 1/00** (2006.01)

CPC (source: EP)

**E03D 5/00** (2013.01); **E03F 1/006** (2013.01)

Cited by

US6240575B1; US6082979A; EP0887478A3; CN114277902A; US5909968A; ES2366504A1; EP2818380A1; US10086849B2; US6330725B1; WO2015106897A1; WO9856996A1; WO0007878A1; EP3321439A1; WO2018091507A1; DE202017006884U1; US10941556B2

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**EP 0584031 A2 19940223**; **EP 0584031 A3 19941019**; **EP 0584031 B1 19971015**; AT E159310 T1 19971115; DE 69314575 D1 19971120; ES 2072176 A2 19950701; ES 2072176 B1 19961216; ES 2072176 R 19960601

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