

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 A2 19940223 (EN)**

Application

**EP 93500071 A 19930526**

Priority

ES 9201120 A 19920601

Abstract (en)

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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DOCDB simple family (publication)

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