

Title (en)

Vacuum toilet and device for the removal of fluids and solids from the funnel shaped bowl of the vacuum toilet

Title (de)

Vakuumtoilette mit einer Vorrichtung zum Absaugen von Flüssigkeit und Ablaufmasse aus der trichterförmigen Schüssel der Vakuumtoilette

Title (fr)

Toilette sous vide et dispositif d'aspiration de liquides et de matières solides d'un cuvette en forme d'entonnoir de la toilette sous vide

Publication

**EP 0823513 B1 20010620 (DE)**

Application

**EP 97112816 A 19970725**

Priority

DE 29613805 U 19960809

Abstract (en)

[origin: EP0823513A2] The device comprises a funnel (10) which merges into a suction line (13) that is connected to a vacuum and blocked by the funnel. The funnel has an angle (  $\alpha$  ) of 90 deg. or less at its neck. The funnel axis slopes slightly forwards from the plumbline (  $\beta$  ), towards the user of the toilet. A right-angled piece of piping is connected to the exit (12) of the funnel. The length (l) of this piece of piping is equal to roughly one quarter the diameter of the exit opening.

IPC 1-7

**E03D 5/00**; **E03D 11/02**

IPC 8 full level

**B61D 35/00** (2006.01); **E03D 5/00** (2006.01); **E03D 9/14** (2006.01); **E03D 11/02** (2006.01); **E03F 1/00** (2006.01)

CPC (source: EP)

**B61D 35/005** (2013.01); **E03D 5/00** (2013.01); **E03D 9/14** (2013.01); **E03F 1/006** (2013.01)

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0823513 A2 19980211**; **EP 0823513 A3 19981223**; **EP 0823513 B1 20010620**; AT E202395 T1 20010715; DE 29613805 U1 19961031; DE 59703848 D1 20010726; DK 0823513 T3 20010924; ES 2160286 T3 20011101

DOCDB simple family (application)

**EP 97112816 A 19970725**; AT 97112816 T 19970725; DE 29613805 U 19960809; DE 59703848 T 19970725; DK 97112816 T 19970725; ES 97112816 T 19970725