

Title (en)
TOILET SYSTEM AND METHOD FOR OPERATING SUCH A TOILET SYSTEM

Title (de)
TOILETTENANLAGE UND VERFAHREN ZUM BETRIEB EINER SOLCHEN TOILETTENANLAGE

Title (fr)
SYSTEME DE TOILETTES ET PROCEDE POUR FAIRE FONCTIONNER UN TEL SYSTEME DE TOILETTES

Publication
EP 1511904 B1 20061011 (DE)

Application
EP 02732303 A 20020610

Priority
CH 0200302 W 20020610

Abstract (en)
[origin: WO03104574A1] Disclosed is a toilet system (1) comprising a toilet bowl (2) and a device (3) for flushing the toilet bowl (2) with flushing water and for sucking waste water (5) off the toilet bowl (2). Said device (3) is embodied as a unit which dispenses water (19) under pressure during flushing while sucking in an essentially simultaneous manner waste water (5) off the toilet bowl (2). Preferably, the inventive device (3) is provided with a cylinder (6) comprising a pressure chamber (A) for flushing water and a suction chamber (B) for drawing off waste water (5). The cylinder (6) comprises a displaceable piston (4) acting as a pressure piston which dispenses flushing water (19) to the toilet bowl (2) under pressure via flushing nozzles (13). Said piston (4) is also used as a sucking piston drawing off waste water (5) from the toilet bowl when flushing water (19) is dispensed. The inventive toilet system (1) uses little flushing water and can be built in a compact manner.

IPC 8 full level
E03D 5/01 (2006.01); **E03D 3/10** (2006.01); **E03D 5/012** (2006.01); **E03F 1/00** (2006.01)

CPC (source: EP)
E03D 3/10 (2013.01); **E03D 5/01** (2013.01); **E03D 5/012** (2013.01); **E03F 1/006** (2013.01)

Cited by
CN107574900A; GB2499837B; US9834917B2; US10612223B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 03104574 A1 20031218; AU 2002306258 A1 20031222; DE 50208450 D1 20061123; EP 1511904 A1 20050309; EP 1511904 B1 20061011

DOCDB simple family (application)
CH 0200302 W 20020610; AU 2002306258 A 20020610; DE 50208450 T 20020610; EP 02732303 A 20020610