

Title (en)

Cleansing and freshening unit for a toilet bowl

Title (de)

Reinigungs- und Erfrischungsvorrichtung für Toilettenbecken

Title (fr)

Dispositif de nettoyage et rafraîchissement d'une cuvette de W.C.

Publication

EP 0538957 B1 19960306 (EN)

Application

EP 92203234 A 19921021

Priority

NL 9101759 A 19911022

Abstract (en)

[origin: EP0538957A1] A cleansing and/or freshening unit capable of being suspended from the rim of a toilet bowl for the twofold purpose of spreading a fresh odor in the toilet room and introducing active substances into the flushing water with each flush. According to the invention, the unit comprises a reservoir (3) for active substance, such as liquid containing cleansing and air freshening agent, this reservoir (3) having its contents in constant communication with a porous mass (4A) which is arranged in the path of the flushing water when a unit has been suspended in a toilet bowl. <IMAGE>

IPC 1-7

E03D 9/03

IPC 8 full level

E03D 9/03 (2006.01)

CPC (source: EP KR)

E03D 9/02 (2013.01 - KR); **E03D 9/032** (2013.01 - EP)

Cited by

EP2431543A1; EP0785315A1; WO0042261A1; WO0131128A1; DE19944318A1; NL1016645C2; DE19720393A1; EP0878586A3; DE10025972B4; AU2005239634B2; US7264845B2; DE10015361C1; GB2368576A; FR2964672A1; EP3078781A4; DE10164866B4; EP1046756A1; DE19912217A1; DE19912217C2; AU774557B2; NL1001722C2; AU711453B2; AU711453C; KR20000071692A; GB2372046A; DE19915322C1; GB2338495A; GB2338495B; AU753432B2; GB2338496A; GB2338496B; US6651261B1; FR2809122A1; WO2021098950A1; GB2370289A; GB2370289B; US7013498B1; DE19930362C2; GB2361250A; GB2361250B; EP1433905A1; EP1435415A1; EP1449970A1; EP1336693A3; WO0132995A1; WO03095753A1; US6835705B2; WO2019174713A1; US6505356B1; EP1039051A2; US10214888B2; US6934973B2; WO0065162A1; EP0878586A2; US6976277B2; WO02064109A2; US6662380B1; US6854136B2; US7234175B2; EP1387014A2; EP1978168A1; WO0144589A1; WO0102653A1; WO9966139A1; EP1334243B1; WO0177451A1; WO9966140A1; US6817040B2; US6895605B2; US6898806B2; WO0240791A1; US7788740B2; US8291523B2; WO2004097124A1; US7114199B2; US6389610B1; US6591431B2; US6412120B1; US6178564B1; US6434758B2; KR20180120426A; EP1391563A2; US6698034B1; US6691329B2; WO0144590A1; US6675396B2; US6519783B2; US6647558B2

Designated contracting state (EPC)

BE DE DK ES FR GB IT NL

DOCDB simple family (publication)

EP 0538957 A1 19930428; **EP 0538957 B1 19960306**; AU 2718892 A 19930429; AU 656236 B2 19950127; CN 1061120 C 20010124; CN 1074004 A 19930707; DE 69208806 C5 20060511; DE 69208806 D1 19960411; DE 69208806 T2 19960725; DK 0538957 T3 19960401; ES 2087436 T3 19960716; KR 0148809 B1 19981015; KR 930008249 A 19930521; MW 5692 A1 19940413; MY 108366 A 19960930; NL 9101759 A 19930517; NZ 244857 A 19951026; TW 216814 B 19931201; ZA 928168 B 19930504

DOCDB simple family (application)

EP 92203234 A 19921021; AU 2718892 A 19921021; CN 92113083 A 19921022; DE 69208806 T 19921021; DK 92203234 T 19921021; ES 92203234 T 19921021; KR 920019427 A 19921022; MW 5692 A 19921022; MY P119921916 A 19921022; NL 9101759 A 19911022; NZ 24485792 A 19921022; TW 81108883 A 19921106; ZA 928168 A 19921022