

Title (en)

Unit for dispensing a liquid into a toilet bowl

Title (de)

Vorrichtung zur Abgabe eines flüssigen Wirkstoffs in das Spülwasser eines Toilets

Title (fr)

Dispositif diffusant une substance liquide dans la cuvette

Publication

EP 1405956 A3 20040421 (DE)

Application

EP 03022124 A 20030930

Priority

DE 20215129 U 20021001

Abstract (en)

[origin: US2004118478A1] A device for dispenses a liquid active substance into the flushing water of a toilet bowl. The device has a supply container provided with an opening on the underside and is filled with the liquid active substance. This supply container is retained in a carrying body which can be fixed on a rim of the toilet bowl. Retained on the underside of the carrying body is a distributor plate, which can be reached by the flushing water and has capillary channels. These capillary channels are connected to the opening of the supply container via distributor channels. The distributor channels here are branched and are each connected to a plurality of capillary channels.

IPC 1-7

E03D 9/03

IPC 8 full level

E03D 9/03 (2006.01)

CPC (source: EP US)

E03D 9/032 (2013.01 - EP US)

Citation (search report)

- [XA] WO 0240792 A1 20020523 - SARA LEE DE NV [NL], et al
- [XA] US 6412120 B1 20020702 - LEONARD STEPHEN B [US], et al
- [XY] WO 0240787 A1 20020523 - HENKEL KGAA [DE], et al
- [DA] GB 2345494 A 20000712 - JOHNSON & SON INC S C [US]
- [PY] WO 03054311 A1 20030703 - JEYES DEUTSCHLAND GMBH [DE], et al
- [A] EP 1087067 A1 20010328 - BUCK CHEMIE GMBH [DE]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2004118478 A1 20040624; US 6976277 B2 20051220; AT E317470 T1 20060215; CN 1320223 C 20070606; CN 1487157 A 20040407; CN 1497111 A 20040519; DE 20215129 U1 20030313; DE 50302369 D1 20060420; EP 1405956 A2 20040407; EP 1405956 A3 20040421; EP 1405956 B1 20060208; EP 1408165 A1 20040414

DOCDB simple family (application)

US 67471703 A 20030930; AT 03022124 T 20030930; CN 03108670 A 20030403; CN 200310100756 A 20031008; DE 20215129 U 20021001; DE 50302369 T 20030930; EP 03001694 A 20030125; EP 03022124 A 20030930