

Title (en)

TOILET BOWL CLEANING AND/OR DEODORIZING DEVICE

Title (de)

VORRICHTUNG ZUR REINIGUNG ODER DESODORIERUNG EINER TOILETTENSCHÜSSEL

Title (fr)

DISPOSITIF POUR NETTOYER ET/OU DÉSODORISER DES CUVETTES DE WC

Publication

EP 2148960 A2 20100203 (EN)

Application

EP 08767531 A 20080502

Priority

- US 2008005716 W 20080502
- US 80049307 A 20070504
- US 80050107 A 20070504
- US 80048807 A 20070504

Abstract (en)

[origin: WO2008137044A1] A rotary sprayer and method for spraying an inner surface of an enclosure, such as a toilet bowl, with a fluid are disclosed. The rotary sprayer includes a clip (110) and a rotating nozzle (120). The clip (110) includes a fluid inlet (208) and an arm (176) having a distal end section (178). The nozzle includes a circular deflection plate, and a pair of spaced apart walls extending away from a surface of the deflection plate. The walls define a channel on the surface of the deflection plate. A passageway is in fluid communication with the channel and an end space between the walls. The fluid inlet is positioned in the end space and a spindle of the nozzle is mounted to the distal end section of the arm. Fluid exiting the fluid inlet flows through the passageway and the channel and contacts an inner surface of at least one of the walls to rotate the nozzle and spray the inner surface wall of the enclosure with the fluid.

IPC 8 full level

E03D 9/03 (2006.01); **B05B 3/04** (2006.01)

CPC (source: EP)

E03D 9/032 (2013.01); **B05B 3/0486** (2013.01)

Citation (search report)

See references of WO 2008137100A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2008137044 A1 20081113; AU 2008248181 A1 20081113; AU 2008248181 B2 20130228; AU 2008248218 A1 20081113; EP 2148960 A2 20100203; EP 2150656 A1 20100210; JP 2010525947 A 20100729; JP 2010530037 A 20100902; JP 5385898 B2 20140108; JP 5404611 B2 20140205; WO 2008137100 A2 20081113; WO 2008137100 A3 20081231

DOCDB simple family (application)

US 2008005642 W 20080502; AU 2008248181 A 20080502; AU 2008248218 A 20080502; EP 08767490 A 20080502; EP 08767531 A 20080502; JP 2010507411 A 20080502; JP 2010507418 A 20080502; US 2008005716 W 20080502