

Title (en)  
TOILET DEODORIZING METHOD, TOILET, AND TOILET DEODORIZING DEVICE

Title (de)  
DESODORIERUNGSVERFAHREN FÜR TOILETTE, TOILETTE UND DESODORIERUNGSVORRICHTUNG FÜR TOILETE

Title (fr)  
PROCÉDÉ DE DÉSODORISATION POUR TOILETTES, TOILETTES, ET DISPOSITIF DE DÉSODORISATION POUR TOILETTES

Publication  
**EP 3346061 A4 20190911 (EN)**

Application  
**EP 16841536 A 20160819**

Priority  

- JP 2015171219 A 20150831
- JP 2015171220 A 20150831
- JP 2015171221 A 20150831
- JP 2015171222 A 20150831
- JP 2015171381 A 20150831
- JP 2016074232 W 20160819

Abstract (en)  
[origin: EP3346061A1] This toilet deodorizing method includes forming a lateral swirl flow (R1) of air laterally swirling along an inner surface of a toilet main body (11) and a traversal flow (R2) of air traversing the inside of the toilet main body (11), by discharging air into the toilet main body (11) of a toilet (1A) through a discharge port (117) and suctioning air in the toilet main body (11) through a suction port (118); and deodorizing an odor in the toilet main body (11) by using a deodorizing cartridge (deodorizing device) (113c) for eliminating an odorous component of air which flows due to the lateral swirl flow (R1) and the traversal flow (R2) and is suctioned through the suction port (118).

IPC 8 full level  
**A47K 13/30** (2006.01); **E03D 9/05** (2006.01); **E03D 9/052** (2006.01)

CPC (source: EP US)  
**A47K 13/307** (2013.01 - EP US); **E03D 9/05** (2013.01 - EP US); **E03D 9/052** (2013.01 - EP US)

Citation (search report)  

- [Y] FR 2813332 A1 20020301 - CHERIETTE AZIZ BEN ACHOUR [FR]
- [Y] JP H0539629 A 19930219 - MATSUSHITA ELECTRIC IND CO LTD
- [XY] WO 9203620 A1 19920305 - REDFORD DANIEL S [US]
- [Y] DE 10258120 A1 20040624 - MIROW PAUL [DE]
- [Y] WO 9106717 A1 19910516 - SJOEBERG LARS [SE]
- See references of WO 2017038504A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3346061 A1 20180711; EP 3346061 A4 20190911**; CN 107923167 A 20180417; TW 201713828 A 20170416; US 2018245326 A1 20180830; WO 2017038504 A1 20170309

DOCDB simple family (application)  
**EP 16841536 A 20160819**; CN 201680049379 A 20160819; JP 2016074232 W 20160819; TW 105126880 A 20160823; US 201615755546 A 20160819