

Title (en)
TOILET DEVICE

Title (de)
TOILETTENVORRICHTUNG

Title (fr)
DISPOSITIF DE TOILETTES

Publication
EP 2261428 A4 20170405 (EN)

Application
EP 09714667 A 20090227

Priority

- JP 2009053758 W 20090227
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- JP 2008190321 A 20080723
- JP 2008290982 A 20081113
- JP 2008290983 A 20081113

Abstract (en)
[origin: EP2261428A1] The toilet apparatus according to the present invention includes: a toilet including a bowl, a recess formed on an upper face to communicate with the bowl, and a communicating portion that links the bowl and the recess; a casing provided above the toilet; a toilet seat pivotally supported to open and close with respect to the casing; a cleansing nozzle, at least partially disposed on the recess, that passes through the communicating portion and extends into and retracts from the bowl; and a shutter, pivotally supported to rotationally move with respect to the casing, that opens the communicating portion when the cleansing nozzle extends and closes the communicating portion when the cleansing nozzle retracts. The casing mounted on an upper portion of the toilet can be downsized to improve the sitting comfort of the toilet seat while maintaining functions of a local cleansing apparatus.

IPC 8 full level
E03D 9/08 (2006.01); **E03D 11/02** (2006.01)

CPC (source: EP)
E03D 9/08 (2013.01)

Citation (search report)

- [Y] JP S6053872 U 19850416
- [Y] WO 2007114298 A1 20071011 - TOTO LTD [JP], et al
- [Y] US 6178568 B1 20010130 - BOULIERIS SPIROS [CA]
- See references of WO 2009107807A1

Cited by
US2017247870A1; EP3438359A4; EP3225756A4; US10294644B2; WO2019130235A1; US10837162B2

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