

Title (en)

Toilet with throttle to limit the flow rate of flushing water

Title (de)

Toilette mit Drossel zur Begrenzung des Spülwasserstroms

Title (fr)

Toilette comprenant un piège pour limiter le débit de la chasse d'eau

Publication

**EP 2884014 A1 20150617 (EN)**

Application

**EP 14196965 A 20141209**

Priority

JP 2013256798 A 20131212

Abstract (en)

The application concerns a toilet capable of supplying wash water at a flow rate appropriate for cleaning the bowl body regardless of which type of water tank supplies water. The toilet (1) includes a water tank (6) that holds wash water and a bowl body. The bowl body includes a bowl portion (12), a drain (14), a rim water-ejecting portion (26), and a water conduit (23). The bowl portion includes a bowl-shaped waste receiving surface (16) and a rim portion (18) formed at an upper edge of the waste receiving surface and having an inner circumferential surface shaped so as to overhang or extend substantially vertically. The drain is disposed below the bowl portion. The rim water-ejecting portion is formed in the inner circumferential surface of the rim portion and forms a swirl flow. The water conduit guides the wash water held in the water tank to a rim outlet (24). A throttle member (30) is attached to the water conduit and adjusts the cross-sectional area of a water-flow passage of the water conduit so as to reduce the cross-sectional area of the water-flow passage of the water conduit when the wash water from the water tank flows at a higher flow rate. The throttle member is a member different from the bowl body.

IPC 8 full level

**E03D 11/17** (2006.01); **E03D 9/16** (2006.01)

CPC (source: CN EP)

**E03D 9/16** (2013.01 - CN EP); **E03D 11/06** (2013.01 - CN); **E03D 11/17** (2013.01 - EP)

Citation (applicant)

JP 2013044178 A 20130304 - TOTO LTD

Citation (search report)

- [Y] US 2013047326 A1 20130228 - YAMASAKI YU [JP], et al
- [Y] DE 2648072 A1 19780427 - SCHWAB SANITAER PLASTIC GMBH
- [Y] EP 2602391 A1 20130612 - KERAMAG KERAMISCHE WERKE AG [DE]
- [A] DE 3315926 A1 19831208 - TECH GEBAEUDEAUSRUESTUNG VEB K [DD]

Cited by

EP3453804A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2884014 A1 20150617**; CN 104712042 A 20150617; CN 104712042 B 20180911; JP 2015113633 A 20150622; JP 6428993 B2 20181128

DOCDB simple family (application)

**EP 14196965 A 20141209**; CN 201410757007 A 20141210; JP 2013256798 A 20131212