

Title (en)  
WATER CONSERVING TOILET

Title (de)  
WASSERSPARENDE TOILETTE

Title (fr)  
W.C. ÉCONOMIQUE EN EAU

Publication  
**EP 2231938 A1 20100929 (EN)**

Application  
**EP 08851779 A 20081031**

Priority  
• GB 2008051023 W 20081031  
• GB 0722735 A 20071120

Abstract (en)  
[origin: WO2009066096A1] Disclosed is a toilet (1) comprising a toilet bowl (2), a passage which extends from the base of the toilet bowl to a drain outlet (30), and a gate (100), the gate having an open position which allows water within the toilet bowl to flow out of the drain outlet by way of the passage and a closed position in which the gate retains a continuous body of water (98) within the toilet bowl and a portion of the passage, up to a fill level (96), the toilet further comprising a divider (19) arranged to close off the passage above the fill level and to extend below the fill level at a location intermediate the toilet bowl and the water line (100) where the surface of the continuous body of water contacts the gate, to form a water trap in use when the gate is in the closed position and water is retained up to the fill level. The gate may be a flap operated by a hydraulic actuator (36), responsive to operation of a manually operable flush control, using mains water as the hydraulic fluid. Water is supplied by a spray ring around the rim of the toilet bowl. The toilet requires less water to flush than toilets including a conventional S-shaped water trap.

IPC 8 full level  
**E03D 11/10** (2006.01); **E03D 5/012** (2006.01)

CPC (source: EP US)  
**E03D 5/012** (2013.01 - EP US); **E03D 11/10** (2013.01 - EP US)

Citation (search report)  
See references of WO 2009066096A1

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 2009066096 A1 20090528**; AU 2008327733 A1 20090528; EP 2231938 A1 20100929; GB 0722735 D0 20080102;  
US 2010287692 A1 20101118

DOCDB simple family (application)  
**GB 2008051023 W 20081031**; AU 2008327733 A 20081031; EP 08851779 A 20081031; GB 0722735 A 20071120; US 74394008 A 20081031