

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

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