

Title (en)
WATER-SAVING TOILET BOWL

Title (de)
WASSERSPARENDE TOILETTENSCHÜSSEL

Title (fr)
CUVETTE DE SANITAIRES ÉCONOMISANT L'EAU

Publication
EP 2851476 A4 20160323 (EN)

Application
EP 12876742 A 20120704

Priority
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• CN 2012078199 W 20120704

Abstract (en)
[origin: EP2851476A1] A water-saving toilet bowl, comprising a seat (1), and a water tank (2) disposed on the seat (1); the seat (1) is provided with a water flushing cavity (11) thereon; the water flushing cavity (11) is connected to the water tank (2); the water tank (2) is provided with a flusher (21) thereon; the drain pipe (111) of the water flushing cavity (11) is connected to a sewer pipe (31) via a water-saving device; the water-saving device comprises a tank body, a hose (4), and a valve assembly controlling the closure and opening of the hose (4); the valve assembly comprises a rotation piece (51), a rotation shaft (52), and a first pressing piece (53); the hose (4) is disposed slanting downward in the tank body; one end of the hose (4) is connected to the drain pipe (111), and the other end is connected to the sewer pipe (31); the rotation shaft (52) is disposed on the tank body; the rotation piece (51) is rotatably disposed on the rotation shaft (52); the first pressing piece (53) is disposed at the front end of the rotation piece (51); when the rotation piece (51) rotates, the first pressing piece (53) presses the hose (4) to achieve the closure and opening of the hose (4); the slanting straight hose (4) is employed for discharging sewage, so that the sewage discharge of the toilet bowl is not required to travel upward, and the sewage can be easily discharged with only a small amount of water under the effect of gravity.

IPC 8 full level
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Citation (search report)
• [IA] US 270211 A 18830109
• [I] CN 2844246 Y 20061206 - LIU JINMING [CN]
• [A] JP H01287332 A 19891120 - TOTO LTD
• [A] US 3922729 A 19751202 - ASHLEY DAVID C
• See references of WO 2013170527A1

Designated contracting state (EPC)
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