

Title (en)  
Liquid cleaner dispenser for toilet

Title (de)  
Flüssigkeitsspender für Toilette

Title (fr)  
Distributeur de liquide pour toilette

Publication  
**EP 1591592 A1 20051102 (EN)**

Application  
**EP 04010373 A 20040430**

Priority  
EP 04010373 A 20040430

Abstract (en)  
The present invention is to provide a dispensing device comprising a dispenser (1) having an upper channel (10) and a bottom opening (12) for storing liquid cleaner; a connecting cup (16) extended downward from the dispenser (1) including at least one aperture (162) on a bottom thereof, and a float (2) in the connecting cup (16) opposite the bottom opening (12). While the dispenser (1) is mounted in a toilet tank (3), the float (2) is adapted to either engage with or move away from the bottom opening (12) as the water level in the toilet tank (3) rises or falls. As such, the dispenser (1) is adapted to automatically dispense liquid cleaner to the toilet tank (3) or stop dispensing liquid cleaner to the toilet tank (3) as the float falls or rises.

IPC 1-7  
**E03D 9/03**

IPC 8 full level  
**E03D 9/03** (2006.01)

CPC (source: EP)  
**E03D 9/037** (2013.01); **E03D 2009/028** (2013.01)

Citation (search report)  
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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
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