

Title (en)  
BOTTOM MOUNT FILL VALVE

Title (de)  
UNTERSEITENMONTIERTES FÜLLVENTIL

Title (fr)  
ROBINET DE REMPLISSAGE DE MONTANT INFÉRIEUR

Publication  
**EP 3186449 A4 20170927 (EN)**

Application  
**EP 15836909 A 20150826**

Priority  
• US 201462041659 P 20140826  
• US 2015046995 W 20150826

Abstract (en)  
[origin: WO2016033215A1] A system for mounting a fill valve in a toilet with a pivotable reservoir is disclosed. The pivotable reservoir is disposed inside the toilet tank. A fill valve is secured in the tank and designed to deliver water to the pivotable reservoir from an external water supply, wherein the fill valve is secured by a valve support mechanism to a lower portion of the tank. The fill valve support mechanism comprises a fluid line support mechanism and a fluid line. The fluid line support mechanism routes the fluid line away from and around the space through which the pivotable reservoir moves when actuated. A plurality of fasteners connect the fluid line to the fluid line support mechanism and the fill valve mechanism to the toilet tank and water supply.

IPC 8 full level  
**E03D 1/20** (2006.01)

CPC (source: EP US)  
**E03D 1/20** (2013.01 - EP US); **E03D 1/32** (2013.01 - EP US); **E03D 1/36** (2013.01 - EP US)

Citation (search report)  
• [X1] US 6317899 B1 20011120 - BREWER KIRK S [US]  
• [X1] US 448800 A 18910324  
• [X1] US 2644950 A 19530714 - CHAPMAN RAYMOND J  
• See references of WO 2016033215A1

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)  
**WO 2016033215 A1 20160303**; CN 107075847 A 20170818; EP 3186449 A1 20170705; EP 3186449 A4 20170927;  
MX 2017002418 A 20170828; US 2017241116 A1 20170824

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