

Title (en)  
DOSING DEVICE OF A SERVICE LIQUID FOR A FLUSHING TANK, AND FLUSHING TANK PROVIDED WITH SUCH A DOSING DEVICE

Title (de)  
DOSIERUNGSVORRICHTUNG EINER BETRIEBSFLÜSSIGKEIT FÜR EINEN SPÜLTANK UND SPÜLTANK MIT SOLCH EINER DOSIERUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE DOSAGE D'UN LIQUIDE DE SERVICE POUR UN RÉSERVOIR DE CHASSE D'EAU ET RÉSERVOIR DE CHASSE D'EAU ÉQUIPÉ D'UN TEL DISPOSITIF DE DOSAGE

Publication  
**EP 3009573 A1 20160420 (EN)**

Application  
**EP 15190310 A 20151016**

Priority  
IT MI20141797 A 20141016

Abstract (en)  
A dosing device (5) for dosing a service liquid in a water stream discharged from a flushing tank, comprises: a reservoir (21) for a service liquid; a dosing chamber (22) communicating with the reservoir (21) for receiving a dose of service liquid from the reservoir (21) through an opening (30); a movable piston (23) housed in the dosing chamber (22) and operated by an expandable bellows (24); a water supply pipe (25), connectable to a filling valve (3) of the tank (1) for feeding water to the bellows (24) so as to expand the bellows (24) and consequently move the piston (23) in the chamber and push service liquid from the dosing chamber (22) into a delivery pipe (26) of service liquid connectable to an overflow pipe (15) of the tank (1).

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

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

Citation (search report)  
• [A] US 4571752 A 19860225 - BICK HAL W [US]  
• [A] WO 2012001197 A1 20120105 - VILLANUEVA LECHADO SANTIAGO [ES], et al  
• [A] US 2009265842 A1 20091029 - HIGGINS GARY [US], et al

Cited by  
EP3431672A1; US10450733B2; US10544574B2; US11105082B2; US11261592B2; US11542698B2; US11674298B2; US11873634B2; US11913211B2; US11920336B2

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)  
**EP 3009573 A1 20160420; EP 3009573 B1 20180926**

DOCDB simple family (application)  
**EP 15190310 A 20151016**