

Title (en)

Multi-dose dispenser of liquid additives for household appliances

Title (de)

Mehrfachdosierungsspender für Flüssigkeitsadditive für Haushaltsgeräte

Title (fr)

Distributeur multidose pour des additifs liquides pour appareils électroménagers

Publication

**EP 1329188 A1 20030723 (EN)**

Application

**EP 02026114 A 20021123**

Priority

IT PN20020001 U 20020116

Abstract (en)

A washing aid dispenser (2) communicates via a first normally open aperture (4) with a volumetric metering chamber (5) having a normally closed dispensing aperture (6). Respective shutters (8, 9; 21, 22) are controlled to alternately open and close said apertures (4, 6) in such a manner as to deliver through said second aperture (6) pre-determined amounts of washing aid that are let into the metering chamber (5) through said first aperture (4). The shutters (8, 9; 21, 22) only open the second aperture (6) after they have closed the first aperture (4), and open again the first aperture (4) only after they have closed again the second aperture (6). <IMAGE>

IPC 1-7

**A47L 15/44**

IPC 8 full level

**A47L 15/44** (2006.01)

CPC (source: EP)

**A47L 15/4418** (2013.01); **A47L 15/4463** (2013.01)

Citation (search report)

- [XA] DE 2239484 A1 19740221 - HELMUT BOHLAENDER KG
- [X] FR 2515220 A1 19830429 - ELBI INT SPA [IT]
- [A] US 6338351 B1 20020115 - SCHROTT HARALD [DE]
- [A] EP 1122351 A1 20010808 - ESSWEIN SA [FR]

Cited by

EP3059480A1; EP1943937A1; EP2612962A3; US9238885B2; WO2010094430A3; WO2010006761A3; US10760199B2; EP1956961B1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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