

Title (en)

DOSING APPARATUS FOR DISPENSING CLEANING AGENTS

Title (de)

DOSIERVORRICHTUNG ZUR DOSIERUNG VON REINIGUNGSMITTELN

Title (fr)

APPAREIL DE DOSAGE DE PRODUITS DE LAVAGE

Publication

EP 2339949 B1 20191204 (DE)

Application

EP 09736419 A 20091019

Priority

- EP 2009063652 W 20091019
- DE 102008053312 A 20081027

Abstract (en)

[origin: WO2010049303A1] The invention relates to a metering device (2, 2', 2"; 36, 37) for the metered addition of substances such as detergents, washing or dishwashing agents to household appliances (1, 1', 1"; 35) such as washing machines, dishwashers or the like, comprising a metering unit (25, 37) with control means for controlling the metered addition of the substances and a reservoir mount (23, 24, 30, 31, 41), a reservoir (26, 36) for storing the substances, the reservoir (26, 36) being designed as a replaceable unit that can be connected to the reservoir mount, at least one connection for transmitting data between the metering unit (25, 37) and the reservoir (26, 36), and at least one connection for transmitting data between the household appliance (1, 1', 1"; 35) and the reservoir (26, 36) and/or the metering unit (25, 37).

IPC 8 full level

A47L 15/00 (2006.01); **A47L 15/44** (2006.01); **B67D 7/34** (2010.01); **D06F 39/02** (2006.01)

CPC (source: EP US)

A47L 15/006 (2013.01 - EP US); **A47L 15/44** (2013.01 - US); **A47L 15/4418** (2013.01 - US); **A47L 15/4445** (2013.01 - US); **A47L 15/4454** (2013.01 - EP US); **A47L 15/4463** (2013.01 - EP US); **A47L 15/449** (2013.01 - US); **B67D 7/346** (2013.01 - US); **D06F 33/37** (2020.02 - EP US); **D06F 39/02** (2013.01 - EP US)

Citation (examination)

US 2008041962 A1 20080221 - WILZ DAVID M SR [US], et al

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

DE 102008053312 A1 20100429; EP 2339949 A1 20110706; EP 2339949 B1 20191204; US 2011226808 A1 20110922; US 2015014353 A1 20150115; US 2018214002 A1 20180802; US 8845818 B2 20140930; US 9949612 B2 20180424; WO 2010049303 A1 20100506

DOCDB simple family (application)

DE 102008053312 A 20081027; EP 09736419 A 20091019; EP 2009063652 W 20091019; US 201113094020 A 20110426; US 201414498127 A 20140926; US 201815916926 A 20180309