

Title (en)

Liquid product dispensing device for washing machine or dishwasher.

Title (de)

Vorrichtung zur Zugabe von flüssigen Produkten für Waschmaschine oder Geschirrspülmaschine.

Title (fr)

Distributeur de produit liquide pour machine à laver le linge ou la vaisselle.

Publication

EP 0423044 B1 19950524 (FR)

Application

EP 90420433 A 19901008

Priority

FR 8913632 A 19891010

Abstract (en)

[origin: EP0423044A1] This dispenser makes it possible to meter and deliver an exact quantity of liquid product on demand. It comprises, underneath a liquid-product reservoir (6), a metering device (7) having a recessed body (15) movable along a vertical axis (13) between a position of rest, putting the reservoir (16) in communication with the interior of the body (15), and a working position, putting the interior of this body in communication with the space located under the metering device (7). A movable core (18) fixed to the body (15) interacts with a stationary electromagnet (27), the energisation of which causes the change from the position of rest to the working position. The reservoir (6) and metering device (7) constitute a removable assembly. The invention is used as a dispenser of liquid washing liquor for a washing machine or as a dispenser of liquid detergent for a dishwasher. <IMAGE>

IPC 1-7

D06F 39/02; **A47L 15/44**

IPC 8 full level

A47L 15/44 (2006.01); **D06F 39/02** (2006.01)

CPC (source: EP US)

A47L 15/4418 (2013.01 - EP US); **D06F 39/022** (2013.01 - EP US)

Cited by

US7931032B1; US8813526B2; AU2003215734B2; DE102007041603B4; US11047083B2; EP1849909A1; CN102127853A; CN116898337A; AU2013264545B2; RU2597534C2; US8840732B2; WO2008016683A1; WO2009142355A1; WO03073906A1; US10132023B2; US10519588B2; DE102007041603A1; US8341982B2; US9920468B2; US10774459B2; US11603621B2; WO2007065529A1; WO2007124798A1; WO2013176479A1; WO2010007054A1; WO0229150A1; US8657964B2; US10138587B2; US11035070B2; US11692297B2; US8631972B2; US10100455B2; US10231597B2; US10907294B2; US11564550B2; EP2251480B1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0423044 A1 19910417; **EP 0423044 B1 19950524**; CA 2027154 A1 19910411; DE 69019666 D1 19950629; DE 69019666 T2 19951019; ES 2072412 T3 19950716; FR 2652831 A1 19910412; FR 2652831 B1 19920207

DOCDB simple family (application)

EP 90420433 A 19901008; CA 2027154 A 19901009; DE 69019666 T 19901008; ES 90420433 T 19901008; FR 8913632 A 19891010