Title (en)

Detergent dispenser for a washing machine.

Title (de)

Waschmitteleinspülvorrichtung für eine Waschmaschine.

Title (fr)

Distributeur de détergent pour machine à laver.

Publication

EP 0169604 A2 19860129 (EN)

Application

EP 85201105 A 19850708

Priority

GB 8418053 A 19840716

Abstract (en)

A liquid-detergent dispenser for a washing machine comprises an open-topped container (8) which can be inserted in the main-wash compartment (3) of the detergent drawer (1) of the machine. In the bottom of the container is an outlet (11) controlled by a valve member (13) which is connected to a float (16) in the form of an air-bell, accommodated in an open-topped float chamber (17). Liquid detergent deposited in the container (8) is retained therein by the valve member (13) until the water is added. Water then enters the float chamber (17) as well s the container and the float (16) is thereby raised to unseat the valve member and allow the water and detergent to flow through the outlet (11) into the compartment (3) and thence into the washing machine. When the supply of water is terminated, water is syphoned from the float chamber through an outlet (24) in the bottom of the chamber and a further outlet (28) in the bottom of the container. This allows the float to descent and reseat the valve member to close the main outlet (11) of the container. Instead of being made for insertion in a compartment of a detergent drawer, the dispenser may be constructed as a permanent part of a detergent drawer.

IPC 1-7

D06F 39/02

IPC 8 full level

D06F 39/02 (2006.01)

CPC (source: EP US)

D06F 39/02 (2013.01 - EP US)

Cited by

US7654119B2; GB2386613B; GB2255352A; DE3623803A1; KR101072023B1; EP0884414A1; US2012047759A1; US8499473B2; EP0685587A1; US2018119328A1; WO2018040191A1; WO2012084479A3; US10138587B2; US11035070B2; US11692297B2; US9920468B2; US10774459B2; US11603621B2; US8196441B2; US8813526B2; US10132023B2; US10519588B2; US8397544B2; US10100455B2; US10231597B2; US10907294B2; US11564550B2; US12091802B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0169604 A2 19860129; **EP 0169604 A3 19870930**; **EP 0169604 B1 19891206**; DE 3574603 D1 19900111; ES 545132 A0 19860616; ES 8608604 A1 19860616; GB 2161838 A 19860122; GB 8418053 D0 19840822

DOCDB simple family (application)

EP 85201105 A 19850708; DE 3574603 T 19850708; ES 545132 A 19850712; GB 8418053 A 19840716