

Title (en)

Improvements in and/or related to the devices for supplying deteratives and additives to washing machines.

Title (de)

Vorrichtung zum Spenden von Waschmittel und Waschmittelzusätzen in Waschmaschinen.

Title (fr)

Dispositifs pour alimenter en détergents et en produits additifs, des machines à laver.

Publication

EP 0528768 A1 19930224 (EN)

Application

EP 92830247 A 19920522

Priority

IT MI910523 U 19910612

Abstract (en)

An improved device for supplying deteratives and/or additives to washing machines comprises a drawer element (1) which includes a tray (4) for a powder deterative, including a propeller supplying element (6) and a tray (5) for additives, therefrom the liquid is pneumatically taken, by means of a membrane pump (11) which is driven by pressurized water supplied by a load solenoid valve (15) which is energized depending on the required dose, the deterative and additive, as preliminarily metered, being conveyed to the washing basin (22) of the washing machine by means of a mixer apparatus (17). <IMAGE>

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)

Citation (search report)

- [A] DE 1785156 A1 19720120 - SIEMENS ELEKTROGERAETE GMBH
- [A] US 3085715 A 19630416 - DOUGLAS BRADLEY C
- [A] GB 1211560 A 19701111 - WILKINS & MITCHELL LTD

Cited by

US5730007A; EP2251481A1; EP3460120A1; EP2166143A1; FR2936259A1; US9057150B2; US11535973B2; US9506183B2; WO2010130586A1; EP2251480B1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0528768 A1 19930224; EP 0528768 B1 19950726; DE 69203674 D1 19950831; DE 69203674 T2 19960111; IT 222457 Z2 19950420; IT MI910523 U1 19921212; IT MI910523 V0 19910612

DOCDB simple family (application)

EP 92830247 A 19920522; DE 69203674 T 19920522; IT MI910523 U 19910612