

Title (en)

Metering device for liquid and viscous dispensing agent for a washing machine and washing machine

Title (de)

Dosiereinrichtung für flüssige und zähflüssige Zugabemittel für eine Waschmaschine und Waschmaschine

Title (fr)

Dispositif de dosage pour matières d'alimentation liquides et visqueuses pour un lave-linge et lave-linge

Publication

**EP 2479335 B1 20141217 (DE)**

Application

**EP 11401009 A 20110119**

Priority

EP 11401009 A 20110119

Abstract (en)

[origin: EP2479335A1] The metering device (8) has a coupling device (16) including a piston movable within a tube section between open and closed positions. One side of a hollow pin is connected with a connection line (20) and another side of the pin is penetrated into the tube section. The pin moves the piston in the open position for passage of dispensing agent from a storage container (21a) to the connection line through the tube section and the pin. A sleeve is imposed on the pin for opening or closing the pin by displacement of the pin. An independent claim is also included for a washing machine.

IPC 8 full level

**D06F 39/02** (2006.01)

CPC (source: EP US)

**D06F 39/022** (2013.01 - EP US)

Cited by

EP2784205A1; DE102013103025A1; EP3176305A1; EP3339496A1; CN105247209A; CN109846438A; DE102016112551A1; USD877431S; USD874764S; USD866887S; EP3114269A4; EP3683350A1; WO2014146761A1; USD899720S; USD958479S; USD865306S; USD900418S; EP3153621A1; DE102015116919A1; US9951461B2; US10125448B2; USD848692S; EP4166707A1; DE102021211725A1; DE102020102279A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2479335 A1 20120725; EP 2479335 B1 20141217; ES 2528342 T3 20150209; PL 2479335 T3 20150430**

DOCDB simple family (application)

**EP 11401009 A 20110119; ES 11401009 T 20110119; PL 11401009 T 20110119**