

Title (en)

Hydraulic system for a laundry washing machine detergent dispenser

Title (de)

Hydraulisches System für einen Waschmittelspender einer Waschmaschine

Title (fr)

Système hydraulique pour un distributeur de détergent d'une machine à laver le linge

Publication

**EP 2078779 B1 20110713 (EN)**

Application

**EP 08150247 A 20080114**

Priority

EP 08150247 A 20080114

Abstract (en)

[origin: EP2078779A1] A hydraulic system (4) for a laundry washing machine detergent dispenser (1), the detergent dispenser (1) having a tank (2) with a number of compartments (3); and the hydraulic system (4) having: two delivery pipes (6); two solenoid valves (12) located upstream from the delivery pipes (6) to regulate water flow along the delivery pipes (6); three feed pipes (5) terminating in the tank (2); a cross mixer (7) which is interposed between the two delivery pipes (6) and the three feed pipes (5), and directs towards a central feed pipe (5) a stream of water produced by the intersection of the two streams of water from both the delivery pipes (6), and has a closed chamber (10) bounded at the top and bottom by respective walls (11); whereby air break spaces (13) are located along said feed pipes (5) , downstream from said cross mixer (7).

IPC 8 full level

**D06F 39/02** (2006.01)

CPC (source: EP US)

**D06F 39/02** (2013.01 - EP US); **D06F 39/028** (2013.01 - EP US)

Cited by

CN103384736A; CN102666965A; FR2959248A1; EP3184688A1; EP2889418A1; US10316455B2; WO2012089553A1; WO2010023304A1; WO2015096985A1; WO2014016158A1; WO2011080088A3; WO2015063005A1; EP3063328B1; EP2659053A1; WO2022052329A1; WO2022052330A1

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 2078779 A1 20090715**; **EP 2078779 B1 20110713**; AT E516399 T1 20110715; EP 2345758 A1 20110720; EP 2345758 B1 20120919; EP 2345759 A1 20110720; EP 2345759 B1 20140319; ES 2369801 T3 20111207; PL 2078779 T3 20120229

DOCDB simple family (application)

**EP 08150247 A 20080114**; AT 08150247 T 20080114; EP 11157499 A 20080114; EP 11157515 A 20080114; ES 08150247 T 20080114; PL 08150247 T 20080114