

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 2345758 A1 20110720 (EN)

Application

EP 11157499 A 20080114

Previously filed application

08150247 20080114 EP

Priority

EP 08150247 A 20080114

Abstract (en)

A hydraulic system (4) for a laundry washing machine detergent dispenser (1), the detergent dispenser (1) comprising a tank (2) with a number of compartments (3); the hydraulic system (4) comprising: 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), and at least one of which has an end portion (17) located over a respective compartment (3) of the tank (2) and having a number of through outlet holes (18) underneath; and a cross mixer (7) interposed between the two delivery pipes (6) and the three feed pipes (5) to direct to a central feed pipe (5) a stream of water produced by intersection of the two streams of water from both the delivery pipes (6); wherein each outlet hole (18) is crescent-shaped with its concavity facing in the water flow direction along the feed pipe (5).

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)

Citation (search report)

- [A] EP 0725182 A1 19960807 - BOSCH SIEMENS HAUSGERAETE [DE]
- [A] EP 1595991 A1 20051116 - ELECTROLUX HOME PROD CORP [BE]
- [A] DE 102006002400 B3 20070111 - MIELE & CIE [DE]
- [A] DE 3147073 A1 19830601 - LICENTIA GMBH [DE]

Cited by

US2023050502A1; US11795604B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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