

Title (en)
Detergent dispenser

Title (de)
Waschmittelspender

Title (fr)
Distributeur de détergent

Publication
EP 2765233 A1 20140813 (EN)

Application
EP 13154815 A 20130211

Priority
EP 13154815 A 20130211

Abstract (en)
The invention relates to a detergent dispenser and a washing machine having a detergent dispenser, wherein the detergent dispenser (2) comprises a dispenser housing (4), an extractable drawer (6) arranged in the dispenser housing (4), and a guiding arrangement provided between the drawer (6) and the housing (4) for slidable guiding the drawer (6) in the housing (4) along an inserting/withdrawal direction (A), wherein the guiding arrangement comprises at least one drawer guiding device (8a) and at least one housing guiding device (10a) adapted to engage with each other, wherein the at least one housing guiding device (10a) at least partially surrounds the drawer guiding device (8a) or wherein the at least one drawer guiding device (8a) at least partially surrounds the housing guiding device (10a), wherein the at least one drawer guiding device (8a) and the at least one housing guiding device (10a) are engaged such that a surface portion (12a) of the at least one drawer guiding device (8a-b) is contacting a surface portion of the at least one housing guiding device (10a) and both surface portions are adapted to slide along each other, and wherein the cross-section of the at least partially surrounded (drawer or housing) guiding device and the mating cross-section of the at least partially surrounding (housing or drawer) guiding device is selected from a partially circular cross-section or a partially ellipse cross-section.

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CPC (source: EP US)
D06F 39/02 (2013.01 - EP US)

Citation (applicant)
EP 1449951 B1 20081008 - WHIRLPOOL CO [US]

Citation (search report)
• [I] KR 20090006409 A 20090115 - SAMSUNG ELECTRO MECH [KR]
• [A] US 3586394 A 19710622 - HECKSEL CHARLES W
• [A] US 3738725 A 19730612 - VISSER J
• [A] KR 20100117972 A 20101104 - HUH KEE NYOUNG [KR], et al
• [A] KR 20110054587 A 20110525 - JINSEO CO LTD [KR]
• [A] DE 10061155 A1 20020627 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
• [A] WO 03089708 A1 20031030 - LG ELECTRONICS INC [KR], et al
• [A] DE 102006002400 B3 20070111 - MIELE & CIE [DE]
• [AD] EP 1449951 B1 20081008 - WHIRLPOOL CO [US]

Cited by
CN107700157A; CN110093746A; US11313066B2; WO2019201152A1

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