

Title (en)

Laundry washing machine equipped with at least one reservoir

Title (de)

Waschmaschine, die mit mindestens einem Behälter ausgestattet ist

Title (fr)

Machine à laver le linge pourvue d'au moins un réservoir

Publication

EP 1862580 A1 20071205 (FR)

Application

EP 07109451 A 20070601

Priority

FR 0605156 A 20060602

Abstract (en)

The washing machine (1) useful to implement a treatment for waterproof cloth pieces, comprises a housing (2) with wash tank (5) enclosing a rotating drum (6), a recirculation system of injecting a liquid from the wash tank in the drum by a hole spared in a flange of the drum, and a reservoir (13) placed at an inside of the drum and fixed on the flange of the drum by two holes of the recirculation system. The reservoir comprises an opening allowing the flow of liquid from the recirculation system, an open exit of the wash water to flow the liquid between the wash tub and a wall of the reservoir, a baffle, an elastic enclosure adapting the flange of the drum, and a treating unit. A position of the reservoir is centered around an axis of rotation drum, and the reservoir covers the hole spared in the flange drum and encloses a liquid, gel or powder formed product to be introduced into the bath wash tub by dissolving with the liquid from the recirculation system. The open exit is arranged in the wall of the reservoir next and close to the flange of the drum. A distance between the wall of the open exit and the flange of the drum is 3 mm. The baffle allows to flow the liquid from the recirculation system between an inlet and an exit opening of the reservoir and prevents the fluid circulating within the drum entering the reservoir. The reservoir partly recovers the holes present in the flange of the drum, and the recirculation system is distributed around an axis of rotation of the drum. The product to be introduced into the wash tub is contained in a water-soluble film, where the product is introduced into the wash tub during a rinse wash classic process.

Abstract (fr)

Une machine à laver le linge (1) comprend un boîtier (2) logeant une cuve de lavage (5), ladite cuve de lavage (5) enfermant un tambour rotatif (6), ladite machine (1) comprenant également un dispositif de recirculation de liquide injectant un liquide de ladite cuve de lavage (5) dans le tambour (6) par au moins un trou ménagé dans au moins un flasque (15) dudit tambour (6). La machine à laver le linge (1) comprend également au moins un réservoir (13) fixé à l'intérieur du tambour (6), ledit au moins un réservoir (13) comprenant au moins une ouverture permettant l'écoulement du liquide provenant du dispositif de recirculation. Utilisation notamment dans une machine à laver le linge.

IPC 8 full level

D06F 39/02 (2006.01)

CPC (source: EP US)

D06F 39/024 (2013.01 - EP US)

Citation (search report)

- [A] FR 2525645 A1 19831028 - THOMSON BRANDT [FR]
- [A] US 2003172960 A1 20030918 - AOUAD YOUSEF GEORGES [US], et al
- [A] EP 1607507 A1 20051221 - CANDY SPA [IT]
- [A] EP 0351671 A1 19900124 - HENKEL KGAA [DE]
- [A] FR 1394003 A 19650402

Cited by

CN108998930A; CN110747615A

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