

Title (en)

INTEGRATED STRUCTURE OF INTERNAL BARREL AND IMPELLER, WASHING MACHINE AND WASHING METHOD

Title (de)

INTEGRIERTE STRUKTUR EINEN BOTTICH UND EIN LAUFRAD UMFASSEND, WASCHMASCHINE UND WASCHVERFAHREN

Title (fr)

STRUCTURE INTÉGRÉE DE CYLINDRE INTERNE ET D'AGITATEUR, MACHINE À LAVER ET PROCÉDÉ DE LAVAGE

Publication

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Application

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Abstract (en)

[origin: EP2987901A1] Disclosed are an integrated structure of an internal barrel and an impeller, a washing machine and a washing method. The structure comprises an internal barrel (1) which is used vertically, and at least two water stirring blades (2) at the internal barrel bottom (11), wherein the water stirring blades (2) and the internal barrel bottom (11) are arranged integrally; and the water stirring blades (2) are of a protrusion structure arranged at the internal barrel bottom (11), each water stirring blade (2) extends to an internal barrel wall (12) from the center of the internal barrel bottom (11), and each water stirring blade (2) raises up and extends in an outward radial direction of the internal barrel bottom (11) to the highest point, then is connected to the internal barrel wall (12), and raises up and extends in the shape of a gentle slope in a circumferential direction from one side to the highest point, and then descends in the shape of a steep slope to the internal barrel bottom (11), so as to control the positive and negative rotation of a washing machine at intervals, so that clothes roll in the internal barrel to complete washing. Since every time the angles of the positive and negative rotation are different, clothes are always in a continuous rolling state in the internal barrel, thereby reducing the possibility of twisting, so as to avoid non-uniform washing caused by the continuous washing friction of clothes in the same location. The lifting beating, centrifugal force turnover, impact striking, and friction rubbing act together during the washing, so that clothes are uniformly washed omnidirectionally.

IPC 8 full level

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