

ABSTRACT

The rotary drum formed in a cylindrical shape having a bottom is installed in the washing tub so that the direction of rotation shaft is set to be horizontal or inclined downward from the horizontal direction from the opened front side to the back side at the bottom. The controller drives the motor rapidly to pivot the rotary drum quickly at a change rate so that the laundry sticks to the inner circumference of the rotary drum by centrifugal force, and the laundry is lifted from the lowest position of the rotary drum, at the position of 0 degree, to the position of less than 180 degrees by surpassing the position of 90 degrees. The motor rotation is braked suddenly at a change rate so that the laundry is peeled off from the inner circumference of the rotary drum, and is dropped to the side opposite the lifting side in the rotary drum. The controller executes this series of operation in a normal and reverse pivot drive mode by repeating normal and reverse rotation alternately.