

Title (en)
METHOD TO CONTROL THE SPINNING PHASE IN A WASHING MACHINE

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Application
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DE 3822924 A 19880707

Abstract (en)
[origin: EP0349798A2] The internal unit with a lye container, laundry drum and drive unit of a drum-type washing machine constitutes a system capable of damped vibration and, when an unbalance occurs in the drum, exhibits resonance phenomena at specific speeds. In washing machines which it is customary to use today, the inert mass of the vibrating unit is increased in order, thereby, to reduce the amplitude of the vibratory unit. The method according to the invention will make it possible, without increasing the inert mass, to accelerate the laundry drum to a spinning speed, even when the device for measuring the unbalance signals the presence of an inadmissibly high unbalance. In the method according to the invention, the amount and position of the unbalance in the drum is sensed and is evaluated by the microcomputer control as a control variable for the motor-current regulating device. The amount and position of the unbalance are decisive factors in controlling the electric motor so as to increase its speed. The method is suitable for washing machines with a microcomputer control.

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