

Title (en)
Method for measuring the weight of the washload in a clothes washing machine.

Title (de)
Verfahren zum Erfassen des Wäschegewichts in Waschmaschinen.

Title (fr)
Procédé pour mesurer le poids du linge dans les machines à laver.

Publication
EP 0536542 A1 19930414 (EN)

Application
EP 92115257 A 19920907

Priority
IT PN910067 A 19911011

Abstract (en)
Method for measuring the weight of the wash load in a clothes washing machine or a combined clothes washing and drying machine, comprising an electronic microprocessor and a rotating clothes-holding drum driven by an electric motor. Method in which, before any wash cycle is started, said clothes-holding is rotatably driven, without any water being yet filled into the wash tub, with a sequence of movements at the regular wash speed, and then at a first speed (A) that is higher than the regular wash one, and at a second speed (C) which ranges anywhere between the wash and the spin-extraction ones. Then said clothes-holding drum is slowed down so as to reach a third pre-set rotation speed (D). In the process, the microprocessor will measure the period of time T3 + T4 needed by the drum to proceed from speed (A) to speed (D), said period of time being in exact correlation with the actual weight of the washload. Based on said measurement of the weight of the clothes, the microprocessor will then adapt all washing and rinsing cycles to be performed next, thereby optimizing the water, detergent and energy consumption figures thereof. <IMAGE>

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Citation (search report)
• [A] EP 0415743 A1 19910306 - FISHER & PAYKEL [NZ]
• [AD] EP 0159202 A1 19851023 - ESSWEIN SA [FR]

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