

Title (en)  
Improvements in dosing systems.

Title (de)  
Verbesserungen in Dosiervorrichtungen.

Title (fr)  
Améliorations dans les dispositifs de dosage.

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Application  
**EP 94300979 A 19940210**

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Abstract (en)  
A dosing system which can be simply and rapidly fitted to an existing laundry or dishwashing machine includes means to supply detergent, rinse agents, fabric conditioners or the like to a working area of the machine from respective bulk containers, and means to provide control signals to the supply means at appropriate times for the dispensing of detergents, rinse agents, fabric conditioners and the like. There is also disclosed a washing machine having a working area in which a predetermined cycle of operations including filling, washing, draining, refilling and rinsing operations takes place under the control of a sequence controller, and wherein a dosing system includes at least one sensor (14,15) associated with the working area of the machine to provide output signals to a control device (13) dependant on the presence or absence of water at the sensor location, the control device including circuitry to determine the requirement for a washing agent from said output signals of said sensor, and to provide output signals to control the operation of at least one pump (10) whose inlet is connected to a bulk supply (11) of the liquid washing agent and whose outlet is lead to the working area of the machine. A method of converting a semi-automatic laundry or dishwashing machine, wherein a washing cycle is controlled by a sequence controller which initiates pre-wash, wash and rinse operations, to fully automatic operation by fitting the dosing system is also disclosed. <IMAGE>

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