

Title (en)  
ELECTRONIC CONTROL METHOD FOR DRAIN PUMPS USED IN ELECTRICAL HOME APPLIANCES

Title (de)  
ELEKTRONISCHE STEUERUNG FÜR DRAINAGEPUMPEN IN ELEKTRISCHEN HAUSHALTSGERÄTEN

Title (fr)  
PROCEDE DE COMMANDE ELECTRONIQUE DE POMPES DE VIDANGE UTILISEES DANS DES APPAREILS ELECTRIQUES MENAGERS

Publication  
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Application  
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Priority  
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Abstract (en)  
[origin: WO9859174A1] The invention is related to a method that provides electronic control of working periods of the synchronous or asynchronous drain pump motors used in electrical home appliances such as dish washing machines and washing machines. During normal use of the home appliance, while the drain pump (2) is operating, the values of the current taken is audited by a microprocessor (1) and compared with the previous values of "rates of current drawn while operating loaded (while there is water in the machine) and without load (while there is no water)" which are loaded into the memory of the microprocessor and when the desired balance is attained, the drain pump, by arriving at a decision that operation is done without water, stops. To measure the current drawn by the drain pump (2), a circuit formed by a "resistance based on manganin" (3) an "op-amp" (4) and an "ac-dc converter" (5), is being used.

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Cited by  
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