

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
EP 0920591 B1 20030604 (EN)

Application
EP 98932707 A 19980619

Priority
• TR 9800011 W 19980619
• TR 9700528 A 19970620

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.

IPC 1-7
F04D 13/06; **D06F 39/08**; **H02P 3/00**

IPC 8 full level
D06F 39/08 (2006.01); **F04D 15/02** (2006.01)

CPC (source: EP US)
D06F 33/47 (2020.02 - EP US); **D06F 39/085** (2013.01 - EP US); **F04D 15/0236** (2013.01 - EP); **D06F 33/72** (2020.02 - EP US); **D06F 2103/48** (2020.02 - EP US); **D06F 2105/58** (2020.02 - EP US)

Cited by
US8793828B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9859174 A1 19981230; AT E242430 T1 20030615; AU 8252598 A 19990104; DE 69815261 D1 20030710; DE 69815261 T2 20040506; EP 0920591 A1 19990609; EP 0920591 B1 20030604; ES 2201510 T3 20040316; TR 199700528 A2 19991021; TR 199700528 A3 19991021

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