



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
03.07.2013 Bulletin 2013/27

(51) Int Cl.:
D06F 39/04 (2006.01) D06F 39/08 (2006.01)

(43) Date of publication A2:
07.11.2012 Bulletin 2012/45

(21) Application number: **12166010.4**

(22) Date of filing: **27.04.2012**

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME

(72) Inventors:
• **Balci, Serkan**
35270 Izmir (TR)
• **Elmas, Nizami Barkin**
45030 Manisa (TR)

(30) Priority: **02.05.2011 TR 201104260**

(74) Representative: **Cayli, Hülya**
Paragon Consultancy Inc.
Koza Sokak No: 63/2
GOP
06540 Ankara (TR)

(71) Applicant: **Vestel Beyaz Esya Sanayi ve Ticaret A.S.**
45030 Manisa (TR)

(54) **Washing machine test method**

(57) A test method for washing machines (M) is disclosed in the present invention. Said method comprises the steps of initiating the test process (10), once the closing of the door (3) and the use of the control element (1, 2) in a determined order and/or combination are detected by the electronic control unit; checking the water amount (13) in the machine (M); supplying water (19) to the machine (M) if the amount is inadequate; checking the temperature sensor (6) (14); terminating the test (24) upon detecting a failure (21) in the temperature sensor (6) if no signal is received therefrom; measuring the water temperature and storing it (15) if a signal is received from the temperature sensor (6); activating the heater (5) (16) for some time period; measuring again the water temperature (17) and comparing the same to the initially-measured value (18); inferring the presence of a failure if the difference between the temperature values is lower than a threshold value.

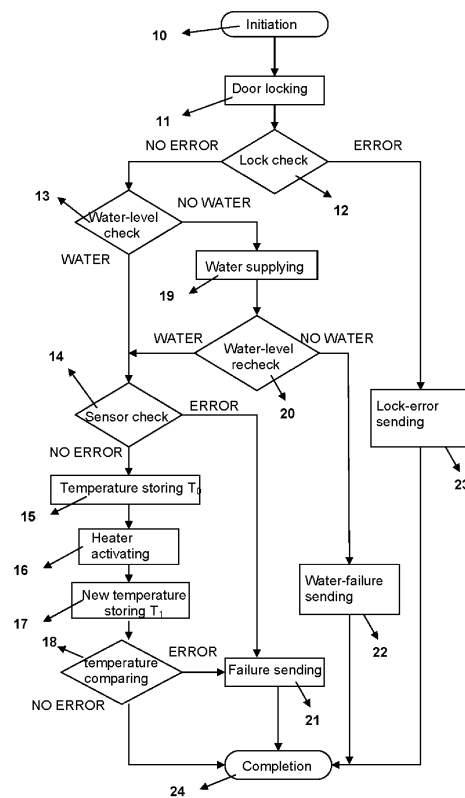


Figure - 3



EUROPEAN SEARCH REPORT

Application Number
EP 12 16 6010

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	EP 1 696 067 A1 (LG ELECTRONICS INC [KR]) 30 August 2006 (2006-08-30) * paragraphs [0001], [0034], [0037], [0057], [0058], [0059]; figures 5-7 *	1-10	INV. D06F39/04 D06F39/08
A	EP 0 924 331 A2 (WHIRLPOOL CO [US]) 23 June 1999 (1999-06-23) * abstract; figure 1 *	1-10	
A	US 2010/005597 A1 (ZAMBROWICZ MICHAEL J [US] ET AL) 14 January 2010 (2010-01-14) * abstract; figures 1, 2 *	1-10	
A	EP 2 085 836 A1 (BSH BOSCH SIEMENS HAUSGERAETE [DE]) 5 August 2009 (2009-08-05) * paragraph [0030] *	1-10	
A	DE 38 28 041 A1 (LICENTIA GMBH [DE]) 22 February 1990 (1990-02-22) * abstract; claims 1, 2 *	1-10	
			TECHNICAL FIELDS SEARCHED (IPC)
			D06F G01L H01H
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 29 May 2013	Examiner Westermayer, Wilhelm
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

 1
EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 12 16 6010

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

29-05-2013

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1696067	A1	30-08-2006	CN 1824876 A 30-08-2006
		EP 1696067 A1 30-08-2006	
		KR 20060094994 A 30-08-2006	
		RU 2311505 C2 27-11-2007	
		US 2006191077 A1 31-08-2006	
EP 0924331	A2	23-06-1999	DE 19755089 A1 24-06-1999
			EP 0924331 A2 23-06-1999
US 2010005597	A1	14-01-2010	AU 2009271061 A1 21-01-2010
			CA 2730497 A1 21-01-2010
			EP 2313547 A1 27-04-2011
			US 2010005597 A1 14-01-2010
			WO 2010009107 A1 21-01-2010
EP 2085836	A1	05-08-2009	DE 102008006512 A1 30-07-2009
			EP 2085836 A1 05-08-2009
DE 3828041	A1	22-02-1990	NONE

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82