



(11) **EP 1 602 770 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
04.07.2007 Bulletin 2007/27

(51) Int Cl.:
D06F 37/30 ^(2006.01) **D06F 35/00** ^(2006.01)
D06F 37/06 ^(2006.01)

(43) Date of publication A2:
07.12.2005 Bulletin 2005/49

(21) Application number: **05250365.3**

(22) Date of filing: **25.01.2005**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR**
Designated Extension States:
AL BA HR LV MK YU

(30) Priority: **02.06.2004 KR 2004040000**

(71) Applicant: **SAMSUNG ELECTRONICS CO., LTD.**
Suwon-si,
Gyeonggi-do 442-742 (KR)

(72) Inventors:
• **Ko, Hong Seok**
Yongin-Si
Gyeonggi-Do (KR)

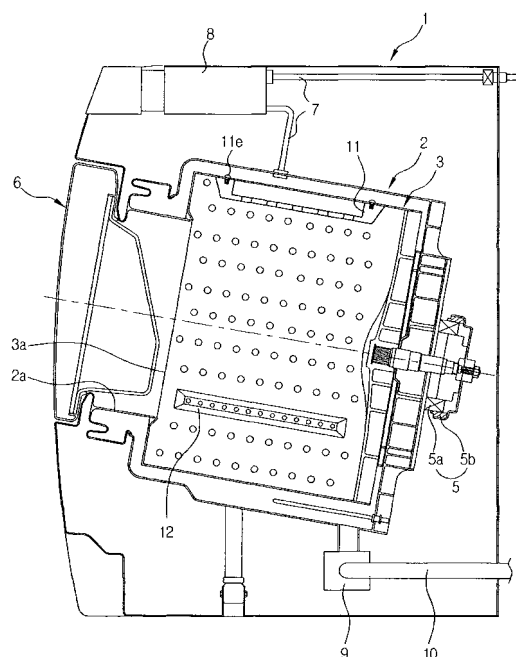
• **Jeong, Ji Deok,**
No.113-1801, DongSuwon-LG Village
Suwon-Si
Gyeonggi-Do (KR)
• **Kim, Hyung Gyoon,**
No. 108-203 SsangYong Apt.
Suwon-Si
Gyeonggi-Do (KR)

(74) Representative: **Grey, Ian Michael et al**
Venner Shipley LLP
20 Little Britain
London EC1A 7DH (GB)

(54) **Drum-type washing machine**

(57) A washing machine comprising a tub (2), a drum (3) mounted for rotation in the tub (2) to receive laundry to be washed and a controller (20) for controlling rotation of the drum (3) is described. The washing machine has a position sensor for generating a signal indicative of when the rotational position of the drum (3) relative to the tub (2) corresponds to a predetermined rotational position so that the controller (20) controls rotation of the drum (3) in dependence on the signal received from the position sensor.

FIG 1



EP 1 602 770 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 05 25 0365

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	DE 43 42 627 A1 (BOSCH SIEMENS HAUSGERAETE [DE] BSH BOSCH SIEMENS HAUSGERAETE [DE]) 22 June 1995 (1995-06-22) * column 1, line 14 - line 19 *	1,5-7, 11-15, 20,21,24	INV. D06F37/30 D06F35/00 D06F37/06
Y	* column 1, line 52 - column 2, line 11 * * column 2, line 33 - line 49; claims *	2-4	
X	DE 40 37 868 A1 (BOSCH SIEMENS HAUSGERAETE [DE]) 29 May 1991 (1991-05-29)	8-10	
Y		2-4	
X	DE 100 64 549 A1 (BSH BOSCH SIEMENS HAUSGERAETE [DE]) 27 June 2002 (2002-06-27) * paragraphs [0015] - [0019], [0027] - [0031] *	20,21	
X	JP 04 193292 A (BROTHER IND LTD) 13 July 1992 (1992-07-13) * figure 4 *	1,6,8,20	
X	JP 01 040093 A (MITSUBISHI ELECTRIC CORP) 10 February 1989 (1989-02-10) * abstract *	1,8	TECHNICAL FIELDS SEARCHED (IPC) D06F
X	EP 1 103 646 A (FUJI CAR MFG [JP]) 30 May 2001 (2001-05-30) * claims; figure 4 *	1,5-8, 11,24	
A	US 5 335 524 A (SAKANE SAKIO [JP]) 9 August 1994 (1994-08-09) * abstract *	1,2	
A	DE 37 07 218 A1 (LICENTIA GMBH [DE]) 15 September 1988 (1988-09-15) * claim 1 *		
A	DE 199 48 622 A1 (ELBI INT SPA [IT]) 4 May 2000 (2000-05-04)		
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 25 May 2007	Examiner D'hulster, Etienne
CATEGORY OF CITED DOCUMENTS 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 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			

2
EPO FORM 1503 03.82 (P04C01)

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

EP 05 25 0365

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.

25-05-2007

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 4342627 A1	22-06-1995	FR 2713677 A1 IT MI942468 A1	16-06-1995 14-06-1995
DE 4037868 A1	29-05-1991	ES 2026381 A6 FR 2655065 A1 IT 1244158 B	16-04-1992 31-05-1991 08-07-1994
DE 10064549 A1	27-06-2002	NONE	
JP 4193292 A	13-07-1992	NONE	
JP 1040093 A	10-02-1989	NONE	
EP 1103646 A	30-05-2001	NONE	
US 5335524 A	09-08-1994	NONE	
DE 3707218 A1	15-09-1988	FR 2611758 A1	09-09-1988
DE 19948622 A1	04-05-2000	FR 2784402 A1 IT 1303116 B1	14-04-2000 30-10-2000

EPO FORM P0459

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