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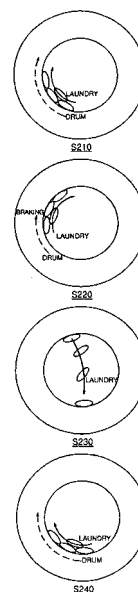
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(54) **Washing machine and washing method therefor**

(57) A washing machine and washing method therefor are provided. In the washing method, in which a drum of a drum type washing machine is rotated in a first direction, the method includes applying a first directional torque to the drum so that laundry in the drum is rotated and lifted; braking the drum so that the laundry is dropped; and then again applying the first directional torque to the drum so that the dropped laundry is rotated and lifted again.

Fig. 2





EUROPEAN SEARCH REPORT

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EP 09 00 9792

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,P	EP 2 042 638 A1 (PANASONIC CORP [JP]) 1 April 2009 (2009-04-01) * paragraph [0027] - paragraph [0038] * * paragraph [0046]; figures 1,4,5 *	1-15	INV. D06F37/30 D06F35/00 D06F33/02
E	EP 2 090 686 A1 (PANASONIC CORP [JP]) 19 August 2009 (2009-08-19) * paragraph [0013] - paragraph [0021] * * paragraphs [0034] - [0044]; figures 1-5 *	1-6, 8-11, 13-15	
A	EP 1 116 812 A1 (TOSHIBA KK [JP]) 18 July 2001 (2001-07-18) * paragraph [0045] * * paragraph [0064]; figure 1 *	1,7,9, 12,14	
A	EP 1 555 338 A2 (SAMSUNG ELECTRONICS CO LTD [KR]) 20 July 2005 (2005-07-20) * paragraph [0022] - paragraph [0029]; figures 1,3-5 *	1,9,14	
A	JP 10 216390 A (MATSUSHITA ELECTRIC IND CO LTD) 18 August 1998 (1998-08-18) * abstract *	1,9,14	TECHNICAL FIELDS SEARCHED (IPC) D06F
A	US 3 387 310 A (MARSHALL DONALD E) 11 June 1968 (1968-06-11) * column 14, line 33 - column 16, line 13; figure 1 *	1,9,14	
A	US 2 556 490 A (CHAMBERLIN JOHN W) 12 June 1951 (1951-06-12) * column 4, line 3 - column 6, line 30; figures 5,10 *	1,9,14	
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 13 September 2012	Examiner Fachin, Fabiano
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			

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

EP 09 00 9792

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
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13-09-2012

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 2042638	A1	01-04-2009	
		CN 101517141 A	26-08-2009
		EP 2042638 A1	01-04-2009
		JP 4100576 B1	11-06-2008
		JP 2008194255 A	28-08-2008
		KR 20090037860 A	16-04-2009
		TW 200840905 A	16-10-2008
		WO 2008099547 A1	21-08-2008

EP 2090686	A1	19-08-2009	
		AT 510947 T	15-06-2011
		AU 2008258190 A1	03-09-2009
		CN 101514521 A	26-08-2009
		EP 2090686 A1	19-08-2009
		JP 4577373 B2	10-11-2010
		JP 2009189677 A	27-08-2009
		SG 155117 A1	30-09-2009

EP 1116812	A1	18-07-2001	
		CN 1297498 A	30-05-2001
		DE 60025811 T2	02-11-2006
		EP 1116812 A1	18-07-2001
		TW 470801 B	01-01-2002
		US 6539753 B1	01-04-2003
		WO 0060157 A1	12-10-2000

EP 1555338	A2	20-07-2005	
		CN 1637197 A	13-07-2005
		EP 1555338 A2	20-07-2005
		JP 2005177440 A	07-07-2005
		KR 20050065722 A	30-06-2005
		US 2005132503 A1	23-06-2005

JP 10216390	A	18-08-1998	NONE

US 3387310	A	11-06-1968	NONE

US 2556490	A	12-06-1951	NONE
