



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR 2007/003587

A. CLASSIFICATION OF SUBJECT MATTER IPC ⁸ : D06F 58/10 (2006.01); D06F 73/02 (2006.01) According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) IPC ⁸ : D06F		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPODOC, WPI, TXTnn		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 54-108060 A (MATSUSHITA ELECTRIC IND CO LTD.) 24 August 1979 (24.08.1979) <i>figs. 1, 2, english abstract [online retrieved on 29.02.2008]</i>	1, 2
Y	--	3-5, 7-24, 27-33
Y	EP 1 616 991 A1 (SAMSUNG ELECTRONICS CO. LTD.) 18 January 2006 (18.01.2006) <i>figs. 1, 2, paragraphs [0028], [0029]</i>	3-5
Y	US 2006/0112585 A1 (CHOI ET AL.) 1 June 2006 (01.06.2006) <i>fig. 2, 3, paragraphs [0035] - [0067]</i>	8-24, 27-33
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family
Date of the actual completion of the international search 3 March 2008 (03.03.2008)		Date of mailing of the international search report 20 March 2008 (20.03.2008)
Name and mailing address of the ISA/ AT Austrian Patent Office Dresdner Straße 87, A-1200 Vienna Facsimile No. +43 / 1 / 534 24 / 535		Authorized officer KRANEWITTER B. Telephone No. +43 / 1 / 534 24 / 460

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PCT/KR 2007/003587

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 439 258 A2 (WHIRLPOOL CORPORATION) 21 July 2004 (21.07.2004) <i>figs. 1,2, paragraphs [0013] - [0019]</i> -----	25, 26

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR 2007/003587

Patent document cited in search report			Publication date	Patent family member(s)		Publication date
JP	A	54108060		JP	A 54108060	1979-08-24
EP	A	1616991		KR	A 20060005849	2006-01-18
				CN	A 1721713	2006-01-18
				JP	A 2006026400	2006-02-02
				US	A1 2006010934	2006-01-19
				EP	A1 1616991	2006-01-18
US	A	20060112585			none	
EP	A	1439258		CN	A 1517483	2004-08-04
				BR	A 0400039	2004-12-28
				MX	A PA04000315	2004-07-19
				CA	A1 2453625	2004-07-14
				EP	A2 1439258	2004-07-21
				US	A1 2004134087	2004-07-15