



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**29.06.2011 Bulletin 2011/26**

(51) Int Cl.:  
**D06F 25/00 (2006.01) D06F 58/28 (2006.01)**  
**D06F 58/20 (2006.01)**

(43) Date of publication A2:  
**05.05.2010 Bulletin 2010/18**

(21) Application number: **09013347.1**

(22) Date of filing: **22.10.2009**

(84) Designated Contracting States:  
**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 SE SI SK SM TR**  
Designated Extension States:  
**AL BA RS**

- **Toshiba Consumer Electronics Holdings Corporation**  
Tokyo 101-0021 (JP)
- **Toshiba Home Appliances Corporation**  
Tokyo 101-0021 (JP)

(30) Priority: **30.10.2008 JP 2008279798**

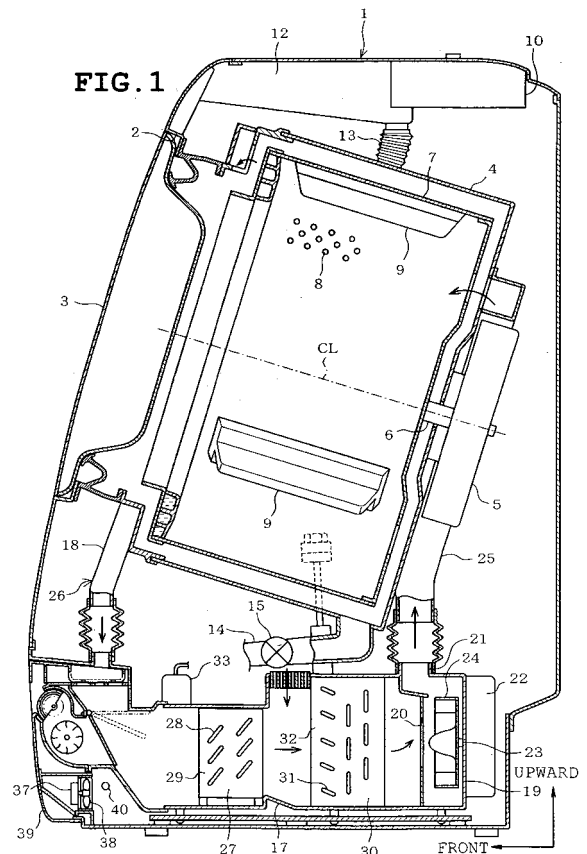
(72) Inventor: **Kashima, Koji**  
**Minato-ku**  
**Tokyo (JP)**

(71) Applicants:  
• **Kabushiki Kaisha Toshiba**  
**Minato-ku**  
**Tokyo (JP)**

(74) Representative: **HOFFMANN EITLE**  
**Patent- und Rechtsanwälte**  
**Arabellastraße 4**  
**81925 München (DE)**

(54) **Clothes dryer**

(57) A clothes dryer includes a water-receiving tub (4), a wash tub (7) rotated by a washing motor (5), a ventilation path (26) including the water-receiving tub (4) as a part so that air in the water-receiving tub (4) is circulated, an evaporator (27) disposed in the ventilation path (26), a condenser (30) disposed in the ventilation path (26) and applying heat to air flowing along the ventilation path (26) downstream relative to the evaporator (27), a compressor (33) supplying a refrigerant into first and second refrigerant pipes (28, 31), a decompressor (35) throttling the refrigerant, and a motor drive unit (51) rotating a compressor motor (34) in a drying processing when a result of detection by an outside temperature sensor (40) has been determined to be larger than a first threshold. The motor drive unit (51) rotates the compressor motor (34) in the drying processing based on a result of setting by a second speed setting unit (47) when the result of detection by the outside temperature sensor (40) has been determined not to be larger than the first threshold.





EUROPEAN SEARCH REPORT

Application Number  
EP 09 01 3347

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	JP 2006 345968 A (MATSUSHITA ELECTRIC IND CO LTD) 28 December 2006 (2006-12-28) * abstract *	1	INV. D06F25/00 D06F58/28 D06F58/20
A	US 2005/217133 A1 (YAKUMARU YUUICHI [JP] ET AL) 6 October 2005 (2005-10-06) * paragraphs [0084] - [0087] *	1	
A	JP 2006 204708 A (MITSUBISHI ELECTRIC CORP) 10 August 2006 (2006-08-10) * abstract *	1	
A	WO 2005/031231 A1 (MATSUSHITA ELECTRIC INDSTRUAL [JP]; TAMURA TOMOICHIRO [JP]; YAKUMARU) 7 April 2005 (2005-04-07) * page 5, line 1 - page 6, line 1 * * page 5, line 1 - page 10, line 12 *	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			D06F
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
Munich		23 May 2011	Kising, Axel
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 09 01 3347

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.

23-05-2011

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2006345968 A	28-12-2006	JP 4561488 B2	13-10-2010
US 2005217133 A1	06-10-2005	CN 1697953 A	16-11-2005
		EP 1614976 A1	11-01-2006
		WO 2004090431 A1	21-10-2004
JP 2006204708 A	10-08-2006	JP 4211039 B2	21-01-2009
WO 2005031231 A1	07-04-2005	CN 1759288 A	12-04-2006
		EP 1664647 A1	07-06-2006
		JP 4629670 B2	09-02-2011
		JP 2007528975 T	18-10-2007
		US 2006179681 A1	17-08-2006