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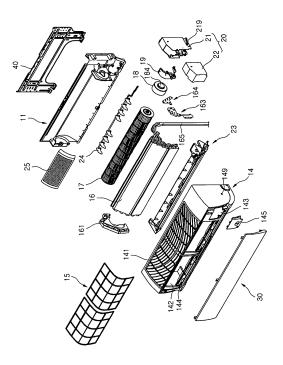
10.09.2009 KR 20090085620 10.09.2009 KR 20090085619

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(54) Indoor unit of air conditioner

(57) The present embodiment provides an indoor unit of an air conditioner. The indoor unit of the air conditioner includes: a main body that includes a chassis and a front frame coupled to the chassis; a fan that is provided inside the main body to compulsorily flow air; a fan motor that rotates the fan; a fan receiving part that receives a portion of the fan, the fan receiving part being formed at the chassis; and a fan motor seating part on which the fan motor is seated, the fan motor being formed at the chassis; wherein a receiving groove that receives the portion of the fan is formed on one side of the fan receiving part and the fan motor seating part is formed on the other side of the fan receiving part.

Fig.2





EUROPEAN SEARCH REPORT

Application Number EP 09 25 2622

	Citation of document with in	ndication, where appropriate,	Relevant	CLASSIFICATION OF THE	
Category	of relevant passa		to claim	APPLICATION (IPC)	
X	CO LTD [JP]) 23 Apr	TSUSHITA ELECTRIC IND il 1997 (1997-04-23) - column 5, line 58;	1-13	INV. F24F1/00 F24F13/20	
X	JP 2003 254550 A (D 10 September 2003 (* the whole documen	2003-09-10)	1-13		
X	JP 2007 212042 A (M LTD) 23 August 2007 * the whole documen	ITSUBISHI HEAVY IND (2007-08-23) t *	1-13		
4	JP 2008 089197 A (D 17 April 2008 (2008 * the whole documen	-04-17)	1-13		
				TEGUNIO AL FIELDS	
				TECHNICAL FIELDS SEARCHED (IPC)	
				F24F	
	The present search report has I	peen drawn up for all claims	1		
	Place of search	Date of completion of the search	1	Examiner	
	Munich	23 March 2012	· I		
C/	ATEGORY OF CITED DOCUMENTS	T : theory or principl			
	icularly relevant if taken alone	E : earlier patent do after the filing da	cument, but publi te		
	icularly relevant if combined with anot				
docu	ıment of the same category nological background	L : document cited f			

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EP 09 25 2622

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.

23-03-2012

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 0769660	A1	23-04-1997	CN EP ES JP	1157900 0769660 2160753 9112944	A1 T3	27-08-199 23-04-199 16-11-200 02-05-199
JP 2003254550	Α	10-09-2003	JP JP	3891005 2003254550		07-03-200 10-09-200
JP 2007212042	Α	23-08-2007	JP JP	4813915 2007212042		09-11-20 23-08-20
JP 2008089197	Α	17-04-2008	NONE			

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