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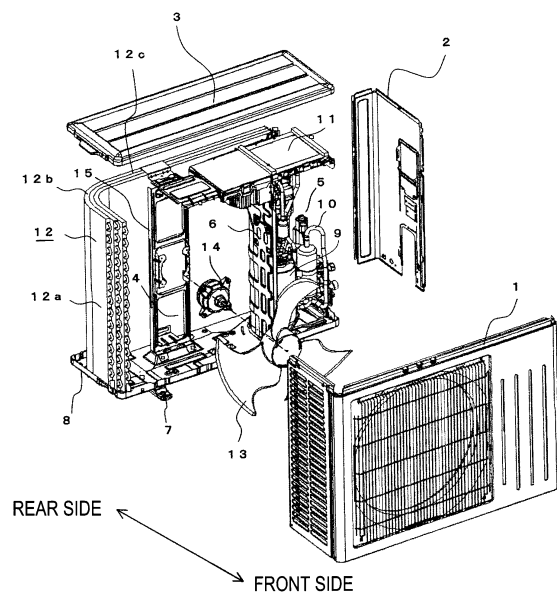
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(54) **Outdoor machine of air conditioner**

(57) An outdoor machine of an air conditioner includes a fan motor mount including a fan motor support plate, and a top plate. The fan motor support plate is formed with: a plurality of props; a prop horizontal plane; a prop front plane; a fitting portion, which is provided on the prop horizontal plane and fitted to a rear end of the top plate; and a first screw hole, which is provided on the prop front plane to fix the top plate. The top plate is formed with: a screw fixing piece, which has a shape parallel to the prop front plane and is provided with a second screw hole corresponding the first screw hole. The fitting portion is fitted to the rear end of the top plate, and the screw fixing piece is located on the front side of the prop front plane.

FIG.1





EUROPEAN SEARCH REPORT

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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	JP 2012 112629 A (PANASONIC CORP) 14 June 2012 (2012-06-14) * paragraph [0019] - paragraph [0023]; figures 1-4,7 *	1-8	INV. F24F1/46 F24F1/16 F24F1/38
X	JP H07 98130 A (MITSUBISHI ELECTRIC CORP) 11 April 1995 (1995-04-11) * abstract; figure 2 *	1,2,4,7,8 3,5,6	
X	JP 2001 082767 A (DAIKIN IND LTD) 30 March 2001 (2001-03-30) * abstract; figure 1 *	1 2-8	
A	JP 2000 121105 A (SHARP KK) 28 April 2000 (2000-04-28) * paragraph [0012] - paragraph [0016]; figures 1-13 *	1-8	
A	JP 2007 040604 A (MITSUBISHI ELECTRIC CORP) 15 February 2007 (2007-02-15) * abstract; figures 1-3 *	1-8	TECHNICAL FIELDS SEARCHED (IPC)
A	JP H07 217945 A (TOSHIBA AVE KK; TOSHIBA CORP) 18 August 1995 (1995-08-18) * abstract; figures 1-6 *	1-8	F24F
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 1 April 2015	Examiner Anconetani, Mirco
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.**

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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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01-04-2015

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2012112629 A	14-06-2012	NONE	
JP H0798130 A	11-04-1995	NONE	
JP 2001082767 A	30-03-2001	JP 3637818 B2 JP 2001082767 A	13-04-2005 30-03-2001
JP 2000121105 A	28-04-2000	NONE	
JP 2007040604 A	15-02-2007	JP 4774854 B2 JP 2007040604 A	14-09-2011 15-02-2007
JP H07217945 A	18-08-1995	JP 3322745 B2 JP H07217945 A	09-09-2002 18-08-1995