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(54) **Indoor unit of air conditioner**

(57) Provided is an indoor unit of an air conditioner, including a main body including a chassis and a front frame coupled to a front portion of the chassis, a base rotatably coupled to a rear surface of the chassis and fixed to a wall surface, a fan in the main body, the fan sucking indoor air, and a heat exchanger configured to heat-exchange the indoor air sucked by the fan with a

refrigerant. The indoor unit further includes a holder member rotatably coupled to the chassis and supported against the wall surface, with being rotated from the main body, so that at least one portion of the main body is spaced apart from the wall surface.

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EUROPEAN SEARCH REPORT

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EP 09 25 0127

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	EP 1 526 339 A2 (LG ELECTRONICS INC [KR]) 27 April 2005 (2005-04-27) * paragraph [0011] - paragraph [0015] * * paragraph [0019] - paragraph [0025] * * paragraph [0066] - paragraph [0091] * * figures 1-7,17-26 * -----	1-9	INV. F24F1/00 F24F13/20
X	JP 2005 024124 A (TOYOTOMI KOGYO CO LTD) 27 January 2005 (2005-01-27) * abstract; figures * -----	1	
A	WO 02/103252 A2 (LG ELECTRONICS INC [KR]; LEE KAM-GYU [KR]; OCK JU-HO [KR]; HWANG SUNG-) 27 December 2002 (2002-12-27) * abstract; figures * -----	1	
A	WO 02/04871 A2 (CONVEC APS [DK]; HANSEN OLE [DK]) 17 January 2002 (2002-01-17) * abstract; figures * -----	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			F24F
Place of search		Date of completion of the search	Examiner
The Hague		11 March 2011	Mattias Grenbäck
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
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

11-03-2011

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1526339	A2	27-04-2005	AU 2004284342 A1	06-05-2005
			CN 1609519 A	27-04-2005
			JP 2005127695 A	19-05-2005
			WO 2005040690 A1	06-05-2005
			US 2005086966 A1	28-04-2005

JP 2005024124	A	27-01-2005	NONE	

WO 02103252	A2	27-12-2002	CN 1392371 A	22-01-2003
			CN 2562112 Y	23-07-2003

WO 0204871	A2	17-01-2002	AU 7236301 A	21-01-2002
			BG 107514 A	28-11-2003
			BR 0112253 A	24-06-2003
			CA 2414934 A1	17-01-2002
			CN 1440492 A	03-09-2003
			CN 1641281 A	20-07-2005
			CZ 20030382 A3	12-11-2003
			EP 1301748 A2	16-04-2003
			EP 1746354 A2	24-01-2007
			HU 0301406 A2	28-08-2003
			JP 3795861 B2	12-07-2006
			JP 2004522120 T	22-07-2004
			MX PA02012935 A	30-07-2004
			PL 358842 A1	23-08-2004
			RO 121488 B1	29-06-2007
			US 2003159803 A1	28-08-2003
