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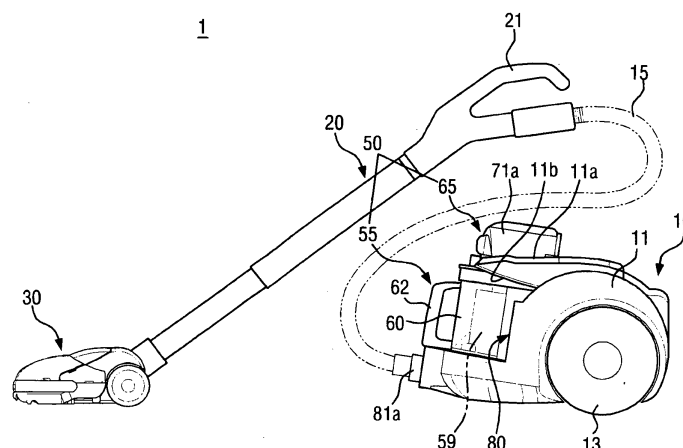
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(54) **Vacuum cleaner having detachable dust separating unit**

(57) A vacuum cleaner having a detachable dust separating unit (50) is disclosed. The vacuum cleaner includes a cleaner body (10) having a first opening (11a) to open a portion of a first surface thereof and a second opening (11b) to open a portion of a second surface thereof, a dust separating unit (50) to separate a dust from an air, and a seating part (80) formed in the cleaner

body (10) to detachably mount the dust separating unit (50) on the cleaner body (10). The dust separating unit (50) forms a portion of an outward appearance of the cleaner body (10) while closing up the first and the second openings (11a, 11b) of the cleaner body (10) when the dust separating unit (50) is mounted on the seating part (80).

FIG. 1



EP 2 201 880 A3



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	EP 1 674 009 A2 (LG ELECTRONICS INC [KR]) 28 June 2006 (2006-06-28) * figures 1-3,9 *	1,2,4,5	INV. A47L9/16
X,P	EP 2 030 543 A2 (SAMSUNG KWANGJU ELECTRONICS CO [KR] SAMSUNG ELECTRONICS CO LTD [KR]) 4 March 2009 (2009-03-04) * figures 1,2,5,6 *	1,2,4	
A	EP 1 952 743 A2 (SAMSUNG KWANGJU ELECTRONICS CO [KR] SAMSUNG ELECTRONICS CO LTD [KR]) 6 August 2008 (2008-08-06) * paragraph [0061]; figures 1,7 *	1,3,6-8	
A	EP 1 989 984 A2 (SAMSUNG KWANGJU ELECTRONICS CO [KR]) 12 November 2008 (2008-11-12) * figures 7,8 *	12,14	
			TECHNICAL FIELDS SEARCHED (IPC)
			A47L
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 2 August 2012	Examiner Masset, Markus
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.**

EP 09 01 4244

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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02-08-2012

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1674009	A2	28-06-2006	EP 1674009 A2 28-06-2006
		KR 20060074618 A	03-07-2006
		RU 2304424 C1	20-08-2007

EP 2030543	A2	04-03-2009	EP 2030543 A2 04-03-2009
		JP 2009050687 A	12-03-2009
		KR 20090021839 A	04-03-2009
		US 2009056060 A1	05-03-2009

EP 1952743	A2	06-08-2008	AU 2007216814 A1 21-08-2008
		CN 101238962 A	13-08-2008
		EP 1952743 A2	06-08-2008
		US 2008184893 A1	07-08-2008

EP 1989984	A2	12-11-2008	CN 101288574 A 22-10-2008
		EP 1989984 A2	12-11-2008
		KR 20080093607 A	22-10-2008
		RU 2362476 C1	27-07-2009
		US 2008256911 A1	23-10-2008
