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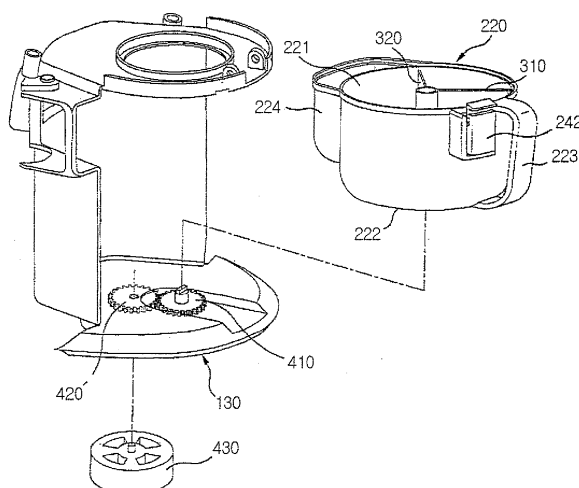
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(54) **Method of controlling vacuum cleaner**

(57) There is provided a method of controlling a vacuum cleaner having a dust collection unit in which dusts are stored. The method includes storing the dusts in the

dust collection unit using an operation of a suction motor and compressing the dusts stored in the dust collection unit using at least one movable pressing member to reduce a volume of the dusts.

Fig. 5





EUROPEAN SEARCH REPORT

Application Number
EP 07 10 1391

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 54 085560 A (TOKYO ELECTRIC CO LTD) 7 July 1979 (1979-07-07)	1-14,16, 17,19	INV. A47L9/00
Y	* abstract *	11-17	
A		18	

X	JP 54 161751 A (SANYO ELECTRIC CO) 21 December 1979 (1979-12-21)	1-3, 9-14,16, 17	
Y	* abstract *	15	
A		4-8,18, 19	

X	JP 8 000514 A (SHARP KK) 9 January 1996 (1996-01-09)	1,2,4-9, 11	
Y	* abstract *	11-17	
A		3,10	

X	JP 2003 190056 A (MATSUSHITA ELECTRIC IND CO LTD) 8 July 2003 (2003-07-08)	1,2,4-11	
A	* abstract *	3,12-19	

			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 28 February 2012	Examiner Eckenschwiller, A
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			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 07 10 1391

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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28-02-2012

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 54085560 A	07-07-1979	NONE	
JP 54161751 A	21-12-1979	NONE	
JP 8000514 A	09-01-1996	JP 3004538 B2 JP 8000514 A	31-01-2000 09-01-1996
JP 2003190056 A	08-07-2003	JP 3699679 B2 JP 2003190056 A	28-09-2005 08-07-2003