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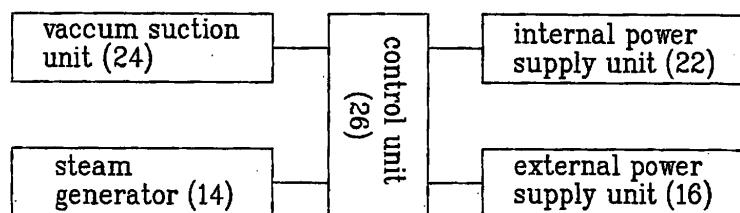
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(54) Cleaner having steam generator

(57) A cleaner performs water preheating for a steaming function with power from an external power source, and generates steam with power from a battery provided within the cleaner. The cleaner includes a body (10), a steam generator (14) provided within the body

(10) to generate steam by changing stored water into vapor; an internal power supply unit (22) supplying stored electricity to the steam generator (14); and an external power supply unit (16) supplying electricity from an external source to the generator (14).

FIG. 3





EUROPEAN SEARCH REPORT

Application Number
EP 06 02 5468

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	WO 2004/086930 A1 (SEKIJIMA TAKAYUKI [JP]) 14 October 2004 (2004-10-14) * the whole document * ----- A DE 102 09 465 A1 ((CLEA-N) CLEANMAX AG) 2 October 2003 (2003-10-02) * the whole document * -----	1-17	INV. A47L11/34 A47L11/40
		1-17	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
1			A47L
	Place of search	Date of completion of the search	Examiner
	Munich	8 February 2012	Trimarchi, Roberto
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			

**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.

08-02-2012

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 2004086930	A1	14-10-2004	JP	3484188 B1		06-01-2004
			JP	2004351234 A		16-12-2004
			WO	2004086930 A1		14-10-2004
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DE 10209465	A1	02-10-2003		NONE		
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