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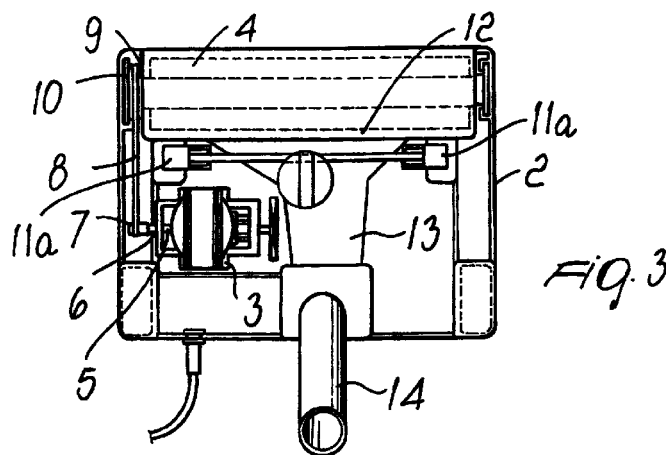
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(54) **Improved electric household appliance usable as multipurpose accessory for vacuum cleaners and electric brooms and as stand-alone device**

(57) An electric household appliance to be fitted according to the requirements on vacuum cleaners, electric brooms or the like and/or to be used as a stand-alone electric household appliance, comprising a base (21) with wheels (11a,11b), supporting an electric motor (3) which is kinematically connected to a roller-like implement (4), the base (2) being provided with means

(14) for fixing to a vacuum cleaner, an electric broom or the like or to a handle, and with a seat (10a,10b) for the roller implement, characterized in that said seat (10a,10b) is provided with means (9a,19) for detachably accommodating said roller (4).



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EUROPEAN SEARCH REPORT

Application Number
EP 99 12 4081

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	NL 6 408 379 A (VEB ELEKTROWÄRME ALTENBURG) 24 January 1966 (1966-01-24)	1,2	A47L9/04
Y	* page 1, line 1-13 * * page 4, column 3-25 * * figures 1-3 *	3,5-8	
Y	US 1 611 684 A (SERVA ADAM A.) 21 December 1926 (1926-12-21) * page 1, line 28-48 - line 55-61; figure 1 *	3	
Y	EP 0 783 864 A (BLACK & DECKER INC) 16 July 1997 (1997-07-16) * column 2, line 9-29 * * column 3, line 7-28; figures 1,2 *	5,7,8	
Y	WO 92 10967 A (SJOEGREEN JOERGEN) 9 July 1992 (1992-07-09) * page 5, line 35 - page 6, line 9; figure 5 *	6	
A	US 5 598 600 A (STEGENS ALFRED H) 4 February 1997 (1997-02-04)		TECHNICAL FIELDS SEARCHED (Int.Cl.7) A47L
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 15 September 2000	Examiner Laue, F
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 99 12 4081

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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15-09-2000

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
NL 6408379	A	24-01-1966	NONE		
US 1611684	A	21-12-1926	NONE		
EP 0783864	A	16-07-1997	US	5699586 A	23-12-1997
			AU	7539496 A	17-07-1997
			BR	9700083 A	10-11-1998
			CA	2192906 A	12-07-1997
			JP	9192059 A	29-07-1997
			SG	45525 A	16-01-1998
WO 9210967	A	09-07-1992	DK	301590 A	21-06-1992
			AU	9093791 A	22-07-1992
			DE	69127547 D	09-10-1997
			EP	0563116 A	06-10-1993
US 5598600	A	04-02-1997	US	5465451 A	14-11-1995
			US	5272785 A	28-12-1993
			US	5193243 A	16-03-1993
			US	5373603 A	20-12-1994