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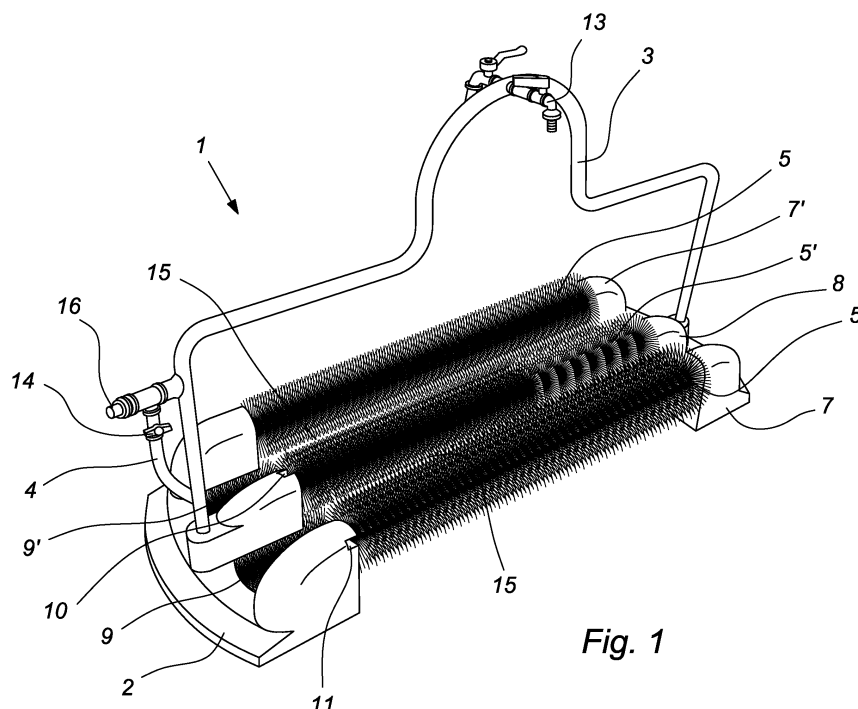
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### (54) An improved equipment for the cleaning of footwear

(57) An equipment (1) for the cleaning of footwear comprises a frame (2) including at least a water channel (3), one or more spray nozzles (6) and brush seats (10 and 11) in which cleaning brushes (5,5') are positioned, at least one brush being a fixed brush (5'). In addition, supporting and assembling elements or tubes (17) sup-

port further brushes (9,9').

The user inserts his/her foot/footwear in the sectors (15) between the brushes (5,5') and rubs the shoe against brushes (5,5') with a simple movement of his/her foot. Brushes (5,5') cooperate with brushes (9,9') and allow the footwear to be cleaned.



**Fig. 1**



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# EUROPEAN SEARCH REPORT

Application Number  
EP 07 11 7773

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	CH 683 675 A5 (ERHARD & MARIA WEISS & CO) 29 April 1994 (1994-04-29)  * column 1, lines 1-6,16-23,54-56 * * column 2, line 65 - column 3, line 3 * * column 3, lines 14-22,40-49 * * column 3, line 65 - column 4, line 4 * * claim 1 * * figures 1,2 *	1-5, 8-13, 15-17	INV. A47L23/02 A47L23/22
Y	JP 08 084699 A (PIONEER FUURIYOKUKI KK) 2 April 1996 (1996-04-02)  * abstract * * figure 1 *	1-5, 8-13, 15-17	
A	EP 0 791 323 A (MARANGONI ANGIOLINO [IT]) 27 August 1997 (1997-08-27) * column 2, line 31 - column 3, line 10 * * figures 1-3 *	1	
D,A	& IT 1 289 079 B1 (MARANGONI ANGIOLINO [IT]) 25 September 1998 (1998-09-25)	1	TECHNICAL FIELDS SEARCHED (IPC)
A	US 2002/189039 A1 (SCHLEM JON E [US]) 19 December 2002 (2002-12-19) * figures 1,2,4,5 * * paragraphs [0014], [0024], [0068] *	1	A47L
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 27 June 2008	Examiner Cescutti, Gabriel
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 07 11 7773

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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27-06-2008

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
CH 683675	A5	29-04-1994	NONE	
JP 8084699	A	02-04-1996	JP 2677767 B2	17-11-1997
EP 0791323	A	27-08-1997	IT VR960019 A1	22-08-1997
IT 1289079	B1	25-09-1998	EP 0791323 A2	27-08-1997
			IT VR960019 A1	22-08-1997
US 2002189039	A1	19-12-2002	NONE	