



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 18 90 82 90

**Classification of the application (IPC):**  
A46B 3/08, A46B 3/16, A45D 2/08, A45D 24/38, A46B 9/02, A46B 7/04

**Technical fields searched (IPC):**  
A46B

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
Y A	KR 19990036902 U (-) 05 October 1999 (1999-10-05) * figures 2-4 *	1-3 9
Y A	KR 20150001420 U (-) 13 April 2015 (2015-04-13) * paragraph [0002]; figure 2 *	1, 2 9
A	US 2009229624 A1 (PURVIS JONNA M [US] ET AL) 17 September 2009 (2009-09-17) * figure 13 *	1-3, 9
Y A	KR 20100114355 A (LEE JAE SOOL [KR]) 25 October 2010 (2010-10-25) * figure 4 *	1-3 9
A	KR 20160002464 U (-) 14 July 2016 (2016-07-14) * figure 2 *	1-3

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 22 December 2020	Examiner Dal Bó, Paolo
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### CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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### LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-3, 9

Slits configuration for brush assembly

2. claims: 4-8

System with hooks and tensioning mechanism for holding the brush carrier

None of the further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the first mentioned in the claims, namely claims: 1-3, 9

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 22 December 2020	Examiner Dal Bó, Paolo
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## ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 18 90 82 90

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 22-12-2020  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
KR 19990036902	U	05-10-1999	NONE	
KR 20150001420	U	13-04-2015	NONE	
US 2009229624	A1	17-09-2009	US 2009229624 A1 US 2010300470 A1	17-09-2009 02-12-2010
KR 20100114355	A	25-10-2010	NONE	
KR 20160002464	U	14-07-2016	NONE	