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(54) **BRUSH WITH ALTERNATE ROWS OF ANGLED TUFTS**

(57) A brush may include a first row of tufts and a second row of tufts. The tufts in the first row may be angled in a first direction while the tufts in the second row may be angled in a second direction that is different from the first direction.

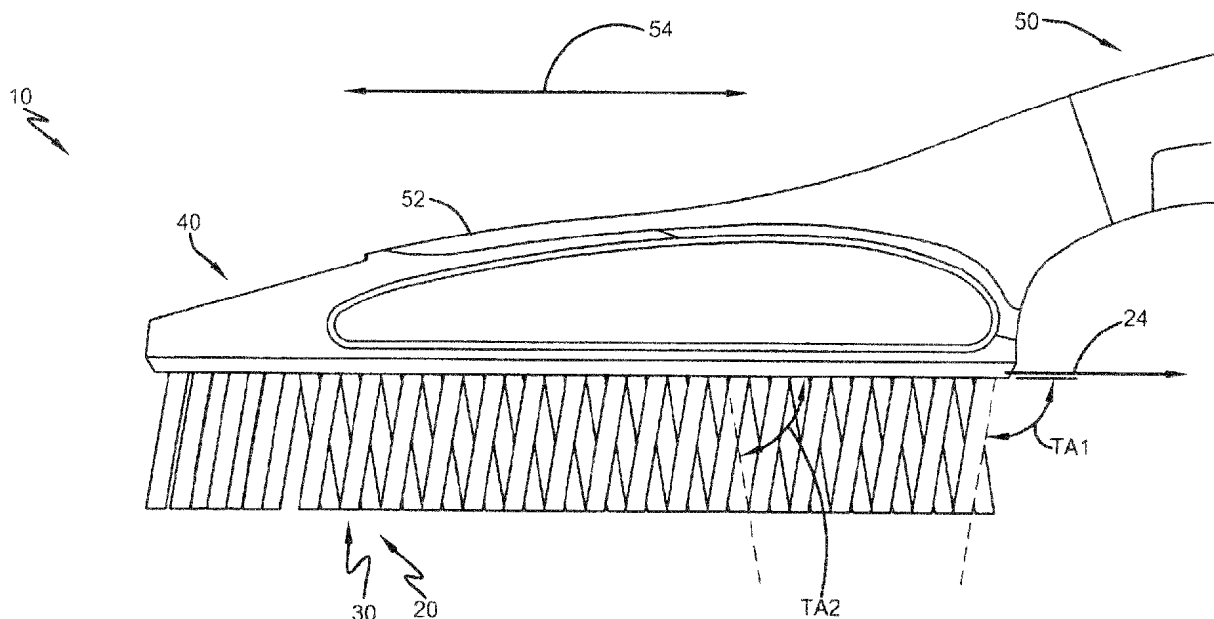


FIG. 1



EUROPEAN SEARCH REPORT

Application Number
EP 19 17 1296

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DOCUMENTS CONSIDERED TO BE RELEVANT			
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A	EP 0 221 000 A1 (NICOLAS YVON MARCEL) 6 May 1987 (1987-05-06) * figures 1-4 *	1-5	TECHNICAL FIELDS SEARCHED (IPC) A46B
2 The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 27 June 2019	Examiner Fouquet, Michèle
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			

EPO FORM 1503 03.82 (P04C01)



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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

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:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

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

1-5

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



LACK OF UNITY OF INVENTION
SHEET B

Application Number

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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: 1-5

a brush with a first and a second row of tufts, wherein the first and second tufts in the first row are angled at a forward acute angle that is between 60 degrees and 87 degrees inclusively within a plane that is parallel to the primary operation axis and with first and second tufts in the second row which are angled at a backward acute angle that is between 60 degrees and 87 degrees inclusively with respect to a plane that is parallel to the operation axis

2. claims: 6-10

a brush comprising first and second row of tufts wherein the first tuft and the second tuft of the first and second row of tufts form as X-shape when viewed from a position that is perpendicular to the primary operation axis

3. claims: 11-15

a brush comprising first and second row of tufts wherein the first tuft, the second tuft and the third tuft of the first and second row of tufts form as X-shape when viewed from a position that is perpendicular to the primary operation axis and wherein these tufts are made of metal

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
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

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