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[Continued on next page]

(54) Title: VACUUM CLEANER TOOL

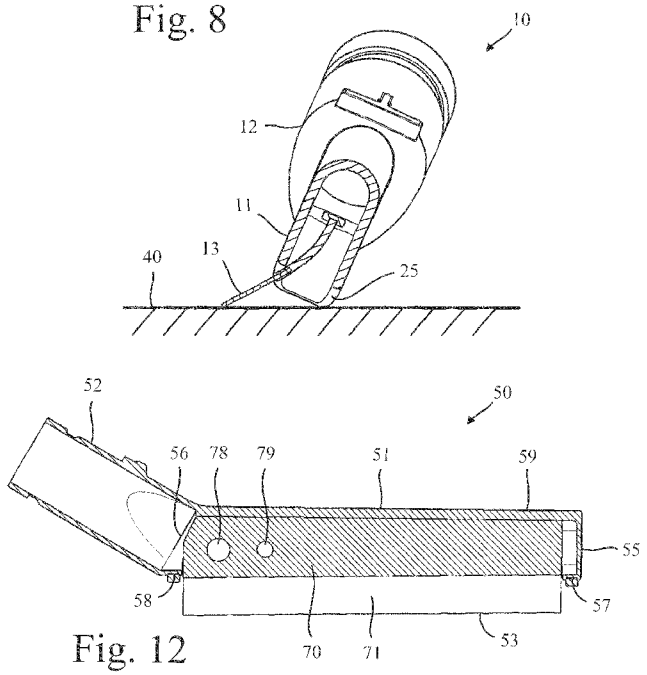


Fig. 12

(57) Abstract: A tool for a vacuum cleaner that comprises a nozzle and a bristle assembly. The nozzle comprises an elongate suction opening. The bristle assembly, which is mounted within the nozzle and protrudes through the suction opening, comprises a carrier to which a strip of bristles is attached. The carrier is either flexible and contacts the trailing edge of a suction opening or it has through-holes.

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16 October 2014

INTERNATIONAL SEARCH REPORT

International application No
PCT/GB2014/050457

A. CLASSIFICATION OF SUBJECT MATTER
INV. A47L9/06 A47L9/02
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
A47L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 1 971 493 A (WARD LEATHERS) 28 August 1934 (1934-08-28) the whole document -----	1-7, 10-13 8,9
X A	EP 0 786 228 A2 (SHARP KK [JP]) 30 July 1997 (1997-07-30) column 17, line 34 - column 21, line 19; figures 16-29 column 16, line 49 - column 17, line 32; figures 14,15 -----	4,7,8,11 1-3,9, 10,12,13
X A	GB 2 273 653 A (AZUMA IND CO LTD [JP]) 29 June 1994 (1994-06-29) abstract; figures 1-8 -----	4-7,11 1-3, 8-10,12, 13
	-/--	

[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
2 July 2014	25/08/2014

Name and mailing address of the ISA/	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Hubrich, Klaus

Form PCT/ISA/210 (second sheet) (April 2005)

INTERNATIONAL SEARCH REPORT

International application No
PCT/GB2014/050457

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	abstract; figures 1-3	1-3,5,6, 8-10,12, 13
A	GB 2 076 640 A (WESSEL HANS) 9 December 1981 (1981-12-09) abstract; figures 1-4	1-13
X	US 6 029 311 A (SCANNI IBERIO E [CA] ET AL) 29 February 2000 (2000-02-29)	4,7
A	abstract; figures 13-16	1-3, 10-13
A	EP 0 264 625 A2 (MAUZ & PFEIFFER PROGRESS [DE]) 27 April 1988 (1988-04-27) abstract; figures 1-3	1-13
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A	DE 15 03 919 A1 (WESSEL HANS [DE]) 5 November 1970 (1970-11-05) abstract; figures 1-11	1-13
A	JP H05 317226 A (HOKY KK) 3 December 1993 (1993-12-03) abstract; figures 1-6	1-13
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INTERNATIONAL SEARCH REPORT

International application No.
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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.

☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.

☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1, 2(completely); 10-13(partially)

   Group I with claims 1,2 (full) and 10-13 (partially, insofar depending on claims 1,2)
   directed to a flexing bristle carrier which can contact the trailing edge of a suction opening,
   ---

2. claims: 3-9(completely); 10-13(partially)

   Group II with claims 3,4-9 (full) and claims 10-13 (partially, insofar depending on claims 3,4-9)
   directed to a flexing bristle carrier which comprises through-holes.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/GB2014/050457

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