



(12)

EUROPEAN PATENT APPLICATION

- (88)

Date of publication A3:  
17.01.2024 Bulletin 2024/03
- (51)

International Patent Classification (IPC):  
A47L 11/32<sup>(2006.01)</sup> A47L 11/40<sup>(2006.01)</sup>
- (43)

Date of publication A2:  
03.01.2024 Bulletin 2024/01
- (52)

Cooperative Patent Classification (CPC):  
A47L 11/32; A47L 11/4044; A47L 11/4088
- (21)

Application number: 23181863.4
- (22)

Date of filing: 27.06.2023

- |  |   |
|--|---|
| <div>(84)</div> <div>Designated Contracting States:<br/>AL AT BE BG CH CY CZ DE DK EE ES FI FR GB<br/>GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL<br/>NO PL PT RO RS SE SI SK SM TR<br/>Designated Extension States:<br/>BA<br/>Designated Validation States:<br/>KH MA MD TN</div> <div>(30)</div> <div>Priority: 27.06.2022 US 202263355714 P</div> | <div>(71)</div> <div>Applicant: Bissell Inc.<br/>Grand Rapids, MI 49544 (US)</div> <div>(72)</div> <div>Inventor: Pruiett, Jason<br/>Grand Rapids, 49544 (US)</div> <div>(74)</div> <div>Representative: Sandersons<br/>D2 Knowledge Gateway<br/>Nesfield Road<br/>Colchester, Essex CO4 3ZL (GB)</div> |
|--|---|

(54)

ACCESSORY TOOL FOR EXTRACTION CLEANER

- (57)

An accessory tool (10T) usable with an extraction cleaner (12, 120, 220) for cleaning a surface (11) includes a tool body (10), fluid reservoir (54), and porous spray bar (55). The tool body (10) defines a fluid pathway (50), an airflow pathway (52), and a suction nozzle (20) connected to the airflow pathway (52), and connects to the extraction cleaner (12, 120, 220) via an accessory hose (13). The fluid reservoir (54) is in fluid communication with the fluid pathway (50) and carried by the tool body (10). The porous spray bar (55), which is coupled to the tool body (10) adjacent the fluid reservoir (54) and
- surrounded by the suction nozzle (20), directs cleaning fluid (34) from the fluid reservoir (54) onto the surface (11). The fluid pathway (50) connects via the accessory hose (13) to a fluid delivery system (30) aboard the extraction cleaner (12, 120, 220) to receive the cleaning fluid (34) and direct the cleaning fluid (34) to the fluid reservoir (54). The airflow pathway (52) connects the suction nozzle (20) via the accessory hose (13) to a fluid recovery system (18) aboard the extraction cleaner (12, 120, 220).

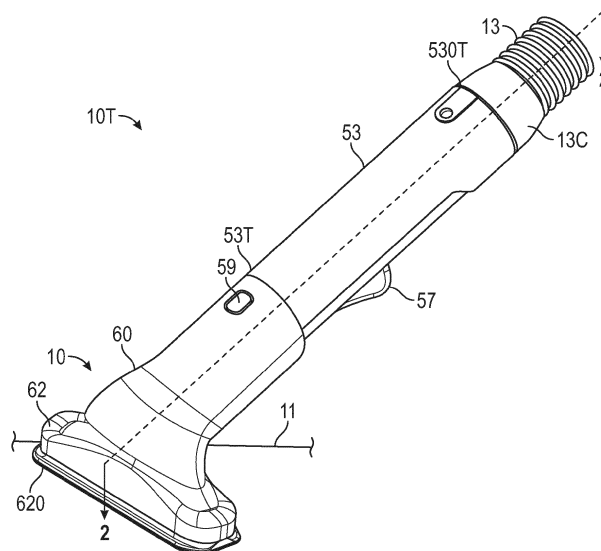


FIG. 3



## EUROPEAN SEARCH REPORT

Application Number

EP 23 18 1863

5

10

15

20

25

30

35

40

45

50

55

1

EPO FORM 1503 03.82 (P04C01)

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2 588 000 A (ROY HINES ALBERT) 4 March 1952 (1952-03-04)	1-10, 14, 15	INV. A47L11/32
Y	* paragraphs [0016] - [0046]; claims; figures *	11-13	A47L11/40
-----			
X	US 3 574 239 A (SOLLERUD SOREN) 13 April 1971 (1971-04-13)	1, 2, 8-10, 14, 15	
	* pages 3-4; figures *		
-----			
X	US 2018/333736 A1 (KREBS ALAN J [US]) 22 November 2018 (2018-11-22)	1-3, 8-10, 14, 15	
	* paragraphs [0005] - [0037]; claims; figures 1-7 *		
-----			
X	GB 463 735 A (FREDERICK WILLIAM TAYLOR) 5 April 1937 (1937-04-05)	1, 2, 8-10, 14, 15	
	* column 1, lines 32-37; claims; figures *		
-----			
X	EP 3 868 268 A1 (BISSELL INC [US]) 25 August 2021 (2021-08-25)	1, 2, 8-10, 14, 15	TECHNICAL FIELDS SEARCHED (IPC) A47L
	* columns 2,3; claims; figures *		
-----			
Y	EP 3 092 929 A1 (DYSON TECHNOLOGY LTD [GB]) 16 November 2016 (2016-11-16)	11-13	
	* paragraphs [0010], [0015]; claim 6; figures *		
-----			
The present search report has been drawn up for all claims			
Place of search <b>Munich</b>		Date of completion of the search <b>5 December 2023</b>	Examiner <b>Lopez Vega, Javier</b>
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	

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 23 18 1863

5

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

05-12-2023

10

15

20

25

30

35

40

45

50

55

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2588000	A	04-03-1952	NONE		
-----					
US 3574239	A	13-04-1971	BE	726326 A	29-05-1969
			CH	507000 A	15-05-1971
			DE	1816838 A1	21-08-1969
			FR	1604484 A	08-11-1971
			GB	1254550 A	24-11-1971
			NL	6900457 A	15-07-1969
			US	3574239 A	13-04-1971
			US	3853621 A	10-12-1974
			US	RE28405 E	06-05-1975
-----					
US 2018333736	A1	22-11-2018	AU	2018100587 A4	14-06-2018
			CN	209236011 U	13-08-2019
			GB	2564527 A	16-01-2019
			US	2018333736 A1	22-11-2018
-----					
GB 463735	A	05-04-1937	NONE		
-----					
EP 3868268	A1	25-08-2021	AU	2021201094 A1	02-09-2021
			BR	102021002991 A2	31-08-2021
			CA	3109411 A1	19-08-2021
			CN	113273934 A	20-08-2021
			CN	215937239 U	04-03-2022
			EP	3868268 A1	25-08-2021
			JP	2021129987 A	09-09-2021
			KR	20210105836 A	27-08-2021
			US	2021251444 A1	19-08-2021
-----					
EP 3092929	A1	16-11-2016	EP	3092929 A1	16-11-2016
			GB	2538294 A	16-11-2016
-----					