



US00D642754S

(12) **United States Design Patent**
Fjellman

(10) **Patent No.:** **US D642,754 S**

(45) **Date of Patent:** **** Aug. 2, 2011**

- (54) **VACUUM CLEANER SHAFT**
- (75) Inventor: **Oskar Fjellman**, Stockholm (SE)
- (73) Assignee: **Aktiebolaget Electrolux** (SE)
- (**) Term: **14 Years**
- (21) Appl. No.: **29/385,632**
- (22) Filed: **Feb. 17, 2011**

Related U.S. Application Data

- (62) Division of application No. 29/326,599, filed on Oct. 21, 2008, now Pat. No. Des. 635,728.
- (51) **LOC (9) Cl.** **15-05**
- (52) **U.S. Cl.** **D32/31**
- (58) **Field of Classification Search** D32/31,
D32/34, 22; 15/320-321, 400, 377, 410-412,
15/414, 329, 335; 285/7; 16/110.1
See application file for complete search history.

References Cited

U.S. PATENT DOCUMENTS

D217,285 S *	4/1970	Anderson	.....	D32/31
4,079,965 A *	3/1978	Moughty et al.	.....	285/7
D267,906 S *	2/1983	Parise et al.	.....	D32/31
D303,173 S	8/1989	Miyamoto et al.		
D315,043 S	2/1991	Hayden		
D333,023 S	2/1993	Herron, Jr.		
D334,447 S	3/1993	Rohn		
D398,097 S	9/1998	Murphy et al.		
D426,356 S	6/2000	Tsuruha		
D429,044 S	8/2000	Saunders et al.		
D429,392 S	8/2000	Maruyama et al.		
D431,335 S	9/2000	Mchaffey et al.		
D433,546 S	11/2000	Milanese		
6,148,474 A *	11/2000	Ohara et al.	.....	15/377
D453,866 S *	2/2002	Nighy et al.	.....	D32/31
6,486,396 B2 *	11/2002	Stein	.....	174/47
D470,983 S *	2/2003	Svaldi	.....	D32/31
D477,445 S *	7/2003	Schroter	.....	D32/31

D480,848 S *	10/2003	Smith et al.	.....	D32/31
D483,160 S	12/2003	Houghton		
D495,456 S	8/2004	Agren et al.		
D502,578 S *	3/2005	Roschi	.....	D32/31
D507,387 S	7/2005	Jacobs		
D525,755 S	7/2006	Simmonds		
D543,325 S	5/2007	Burnham		
D545,011 S	6/2007	Agren et al.		
D548,905 S	8/2007	Bobrosky		
D561,415 S *	2/2008	Tavano	.....	D32/34
D565,266 S	3/2008	Crevling, Jr. et al.		
D565,814 S	4/2008	Agren et al.		
D565,816 S	4/2008	Agren et al.		
D574,563 S	8/2008	Fjellman et al.		
D577,165 S	9/2008	Quance et al.		

(Continued)

FOREIGN PATENT DOCUMENTS

AU 200720593 12/2007

(Continued)

Primary Examiner — Ruth McInroy

(74) *Attorney, Agent, or Firm* — Banner & Witcoff, Ltd.

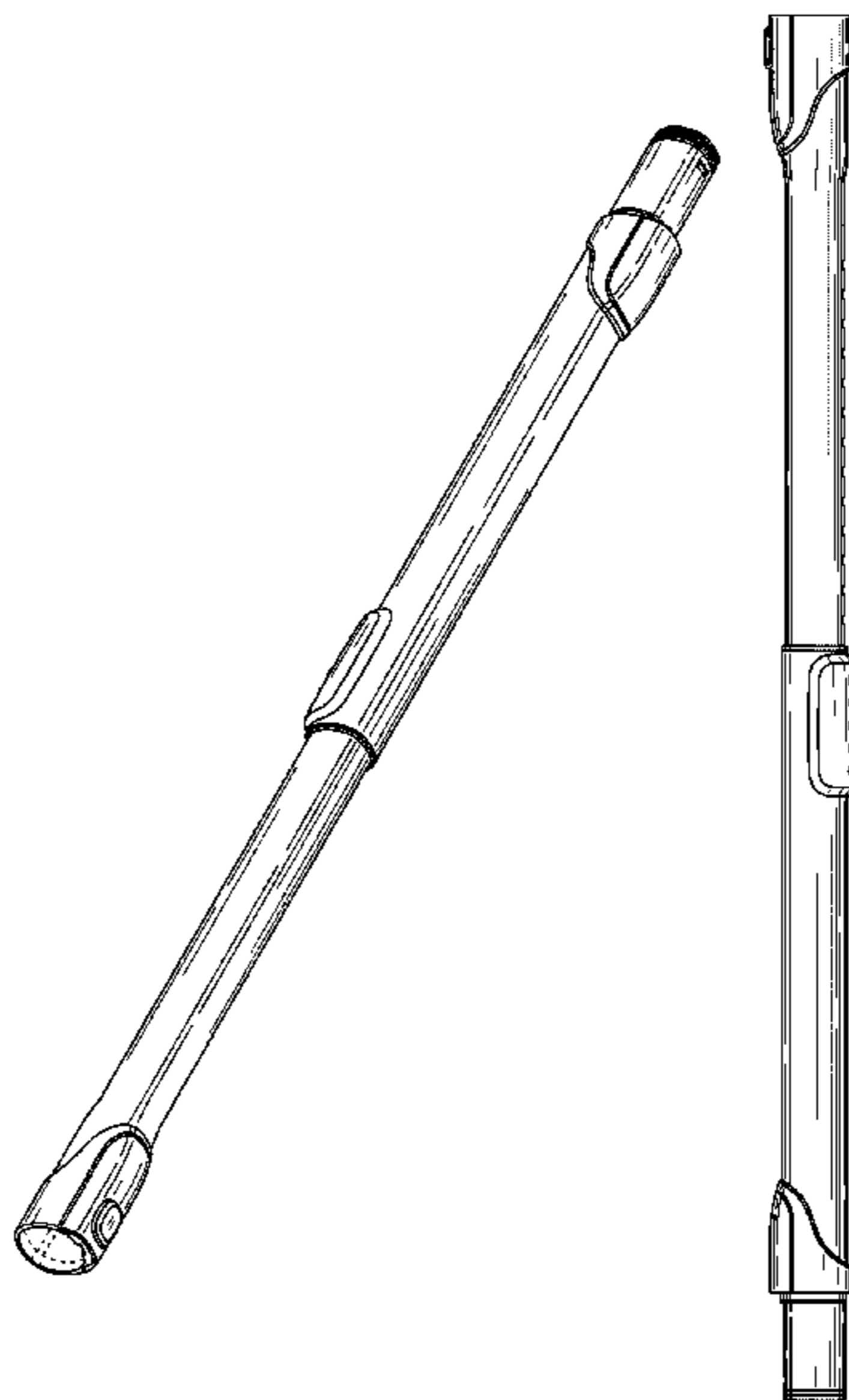
(57) **CLAIM**

The ornamental design for a vacuum cleaner shaft, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a vacuum cleaner shaft showing my new design;
 FIG. 2 is a right side view thereof;
 FIG. 3 is a top view thereof;
 FIG. 4 is a front view thereof;
 FIG. 5 is an inverted rear view thereof;
 FIG. 6 is a bottom plan view thereof; and,
 FIG. 7 is a left side view thereof.
 The broken lines shown in the figures represent portions of the vacuum cleaner shaft that form no part of the claimed design.

1 Claim, 3 Drawing Sheets



US D642,754 S

Page 2

U.S. PATENT DOCUMENTS

D580,116 S 11/2008 Santiago et al.
D582,111 S 12/2008 Agren et al.
D591,918 S 5/2009 Vagges
D598,616 S 8/2009 Crawley
D608,513 S 1/2010 Ho
D611,665 S 3/2010 Braithwaite
D613,469 S 4/2010 Agren
7,832,050 B2* 11/2010 Pullins et al. 15/410

D635,728 S * 4/2011 Fjellman D32/22
2009/0064448 A1 3/2009 Oh et al.
2010/0050367 A1 3/2010 Tsai

FOREIGN PATENT DOCUMENTS

EM 000184759 2/2004
EM 000298005 5/2007

* cited by examiner

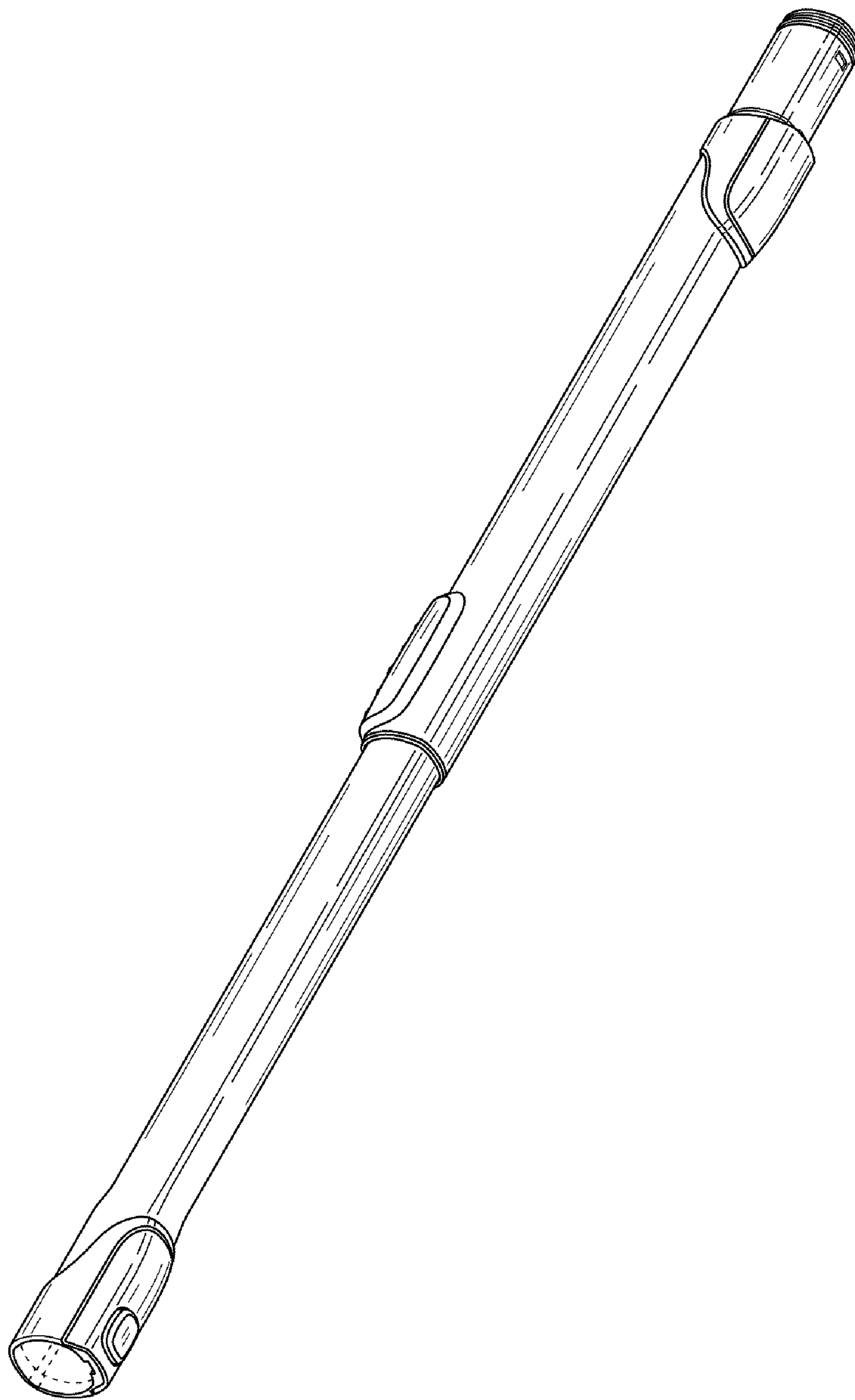


FIG. 1

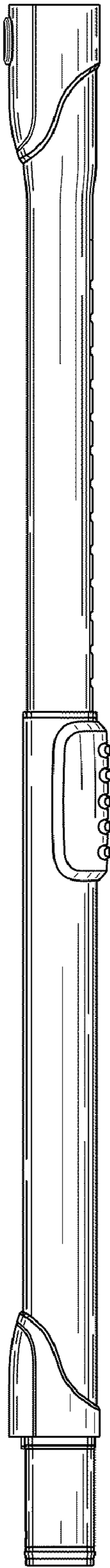


FIG. 2

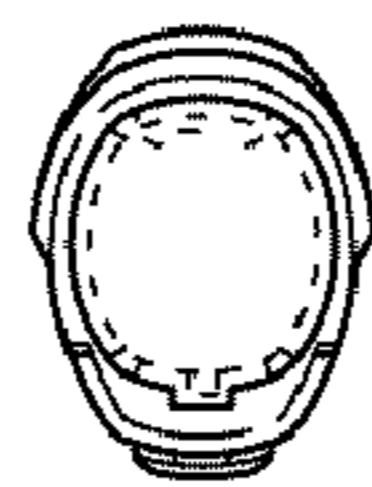


FIG. 3

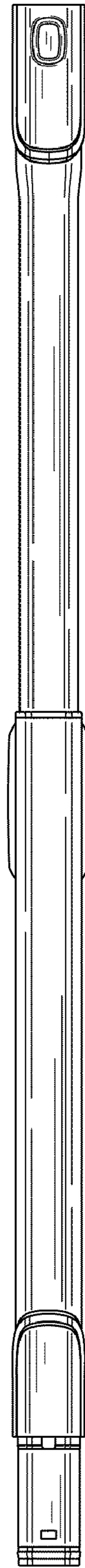


FIG. 4

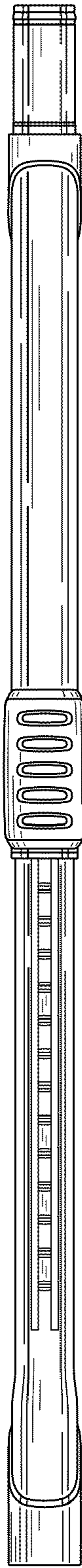


FIG. 5

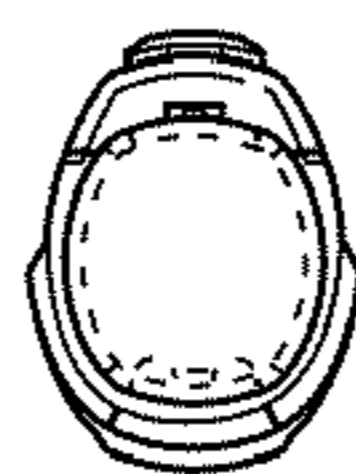


FIG. 6

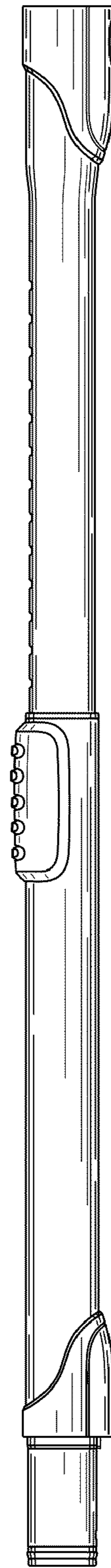


FIG. 7