



US00D910257S

(12) **United States Design Patent**  
**Schneider et al.**

(10) **Patent No.:** **US D910,257 S**  
(45) **Date of Patent:** **\*\* Feb. 9, 2021**

(54) **FLOOR CLEANING DEVICE**  
(71) Applicant: **Alfred Kaercher SE & Co. KG**,  
Winnenden (DE)  
(72) Inventors: **Felix Schneider**, Stuttgart (DE);  
**Michael Meyer**, Schwaikheim (DE)  
(73) Assignee: **Alfred Kaercher SE & Co. KG**,  
Winnenden (DE)  
(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/701,222**

3,774,257 A \* 11/1973 Smyth ..... A47L 11/4041  
15/48  
3,786,532 A \* 1/1974 Lindsay ..... A47L 9/04  
15/364  
3,800,351 A \* 4/1974 Fukuba ..... A47L 11/33  
15/41.1  
4,489,457 A \* 12/1984 Deimel ..... A47L 11/33  
15/41.1  
D285,735 S \* 9/1986 Hanyu ..... D32/38  
D293,142 S \* 12/1987 Kubota ..... D32/38  
4,929,345 A \* 5/1990 Meador ..... A47L 11/33  
15/105  
D346,470 S \* 4/1994 Zahuranec ..... D32/38  
D349,793 S \* 8/1994 Zahuranec ..... D32/38  
D391,708 S \* 3/1998 Canavan ..... D32/38  
(Continued)

(22) Filed: **Aug. 9, 2019**  
(30) **Foreign Application Priority Data**  
Feb. 18, 2019 (WO) ..... 80438  
(51) **LOC (13) Cl.** ..... **07-05**  
(52) **U.S. Cl.**  
USPC ..... **D32/38**  
(58) **Field of Classification Search**  
USPC ..... D32/17-24, 31-34, 38, 39  
CPC ..... A47L 9/02; A47L 9/04; A47L 9/06; A47L  
9/0461; A47L 9/325; A47L 5/362; A47L  
5/365; A47L 5/30; A47L 5/36; A47L  
5/28; A47L 5/32; A47L 11/4044; A47L  
11/302; A47L 13/26; A47L 13/40; A47L  
13/36; A47L 13/38; A47L 11/33; A47L  
11/32; A47L 7/02; A47L 11/34; A47L  
11/4025  
See application file for complete search history.

(56) **References Cited**  
U.S. PATENT DOCUMENTS  
3,159,860 A \* 12/1964 Colver ..... A47L 11/4013  
15/41.1  
3,268,936 A \* 8/1966 Fukuba ..... A47L 11/4025  
15/41.1

**OTHER PUBLICATIONS**

<https://www.kaercher.com/us/home-garden/cordless-electric-brooms/kb-5-cordless-electric-broom-12580190.html> (Year: 2020).\*  
(Continued)

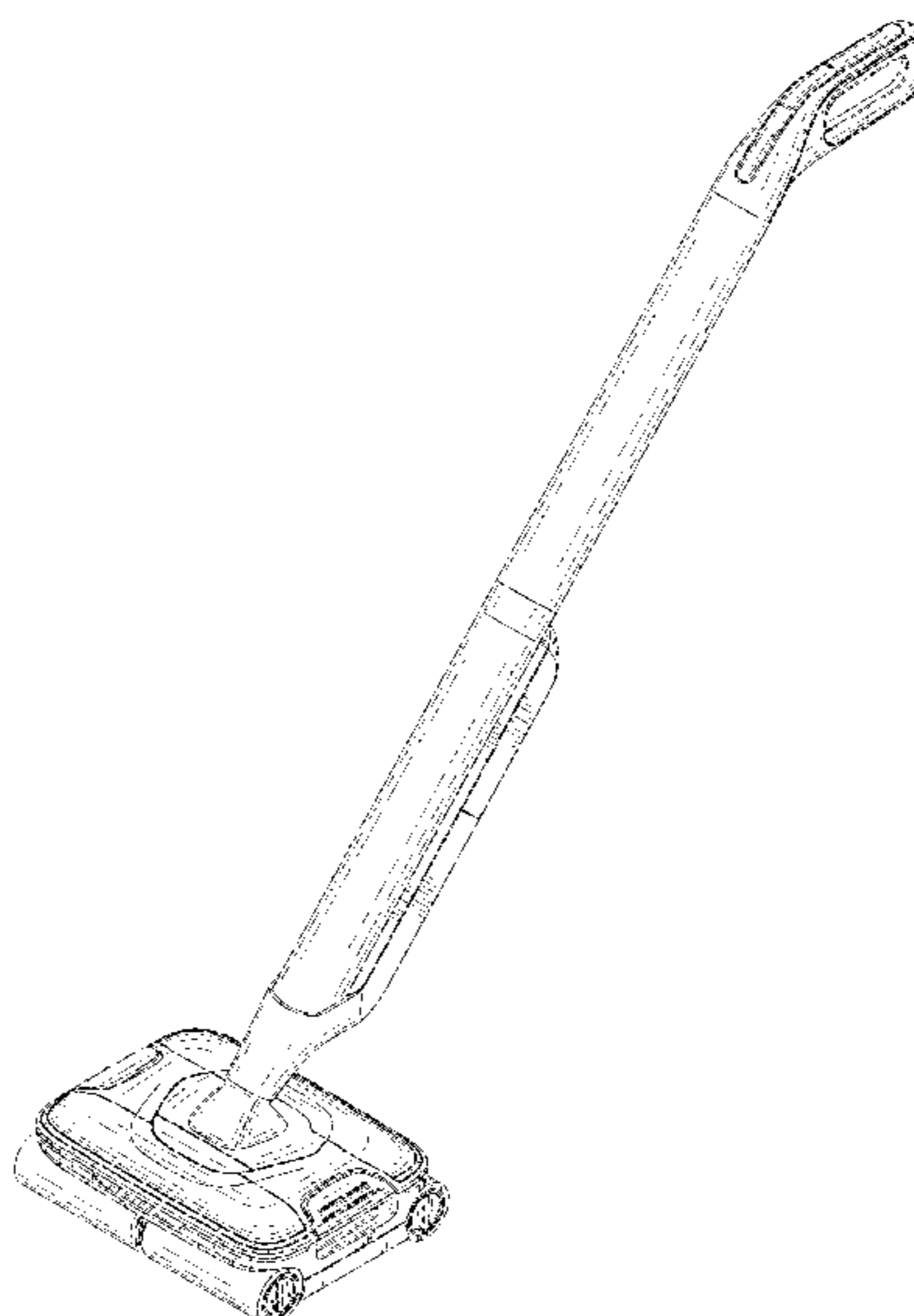
*Primary Examiner* — Michelle E. Wilson  
*Assistant Examiner* — Richard E Yenchesky  
(74) *Attorney, Agent, or Firm* — Lipsitz & McAllister,  
LLC

(57) **CLAIM**  
The ornamental design for a floor cleaning device, as shown  
and described.

**DESCRIPTION**

FIG. 1 is a front, top and left side perspective view of a floor  
cleaning device showing the new design;  
FIG. 2 is a front, top and right side perspective view thereof;  
FIG. 3 is a front elevational view thereof;  
FIG. 4 is a rear elevational view thereof;  
FIG. 5 is a right side elevational view thereof;  
FIG. 6 is a left side elevational view thereof; and,  
FIG. 7 is a top plan view thereof.

**1 Claim, 7 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D398,096	S *	9/1998	Gildersleeve .....	D32/22
D498,888	S *	11/2004	Archer .....	D32/25
D549,910	S *	8/2007	Bouhuys .....	D32/38
D635,728	S *	4/2011	Fjellman .....	D32/22
D653,414	S *	1/2012	Genoa .....	D32/38
D682,496	S *	5/2013	Bassett .....	D32/22
D833,092	S *	11/2018	Samtani .....	D32/22
10,252,409	B2 *	4/2019	Pruiett .....	A47L 11/4013
D855,271	S *	7/2019	Liang .....	D32/50
D858,016	S *	8/2019	Casini .....	D32/15
D869,793	S *	12/2019	Casini .....	D32/15
D877,434	S *	3/2020	Burgess .....	D32/31
2003/0159223	A1 *	8/2003	Plankenhorn .....	A47L 11/4072
				15/52.1
2014/0250619	A1 *	9/2014	Policicchio .....	A47L 13/16
				15/231

OTHER PUBLICATIONS

<https://www.webstaurantstore.com/bissell-commercial-bg9100nm-cordless-electric-single-brush-floor-sweeper/207BG9100NM.html> (Year: 2020).\*

\* cited by examiner



FIG. 1

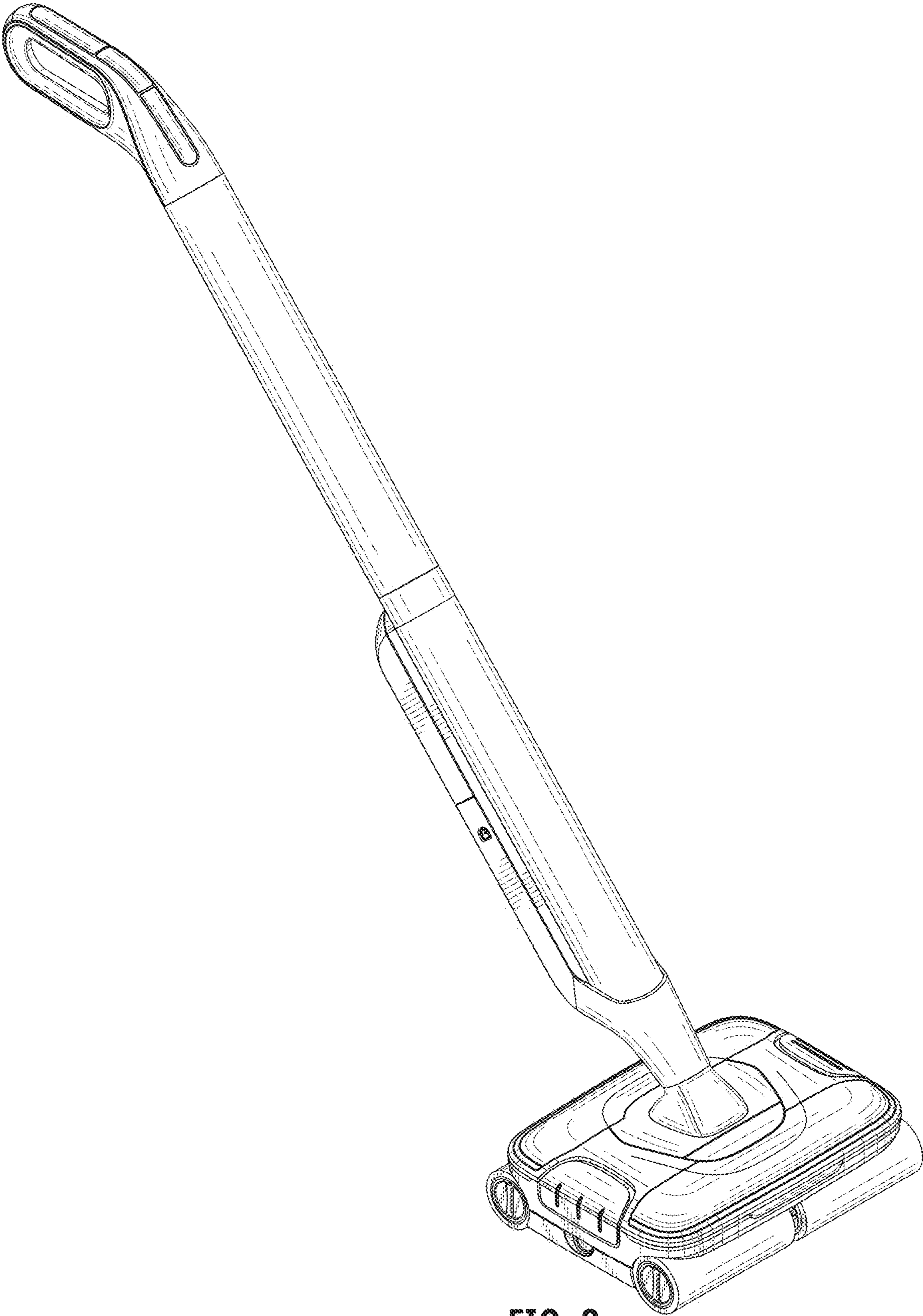


FIG. 2

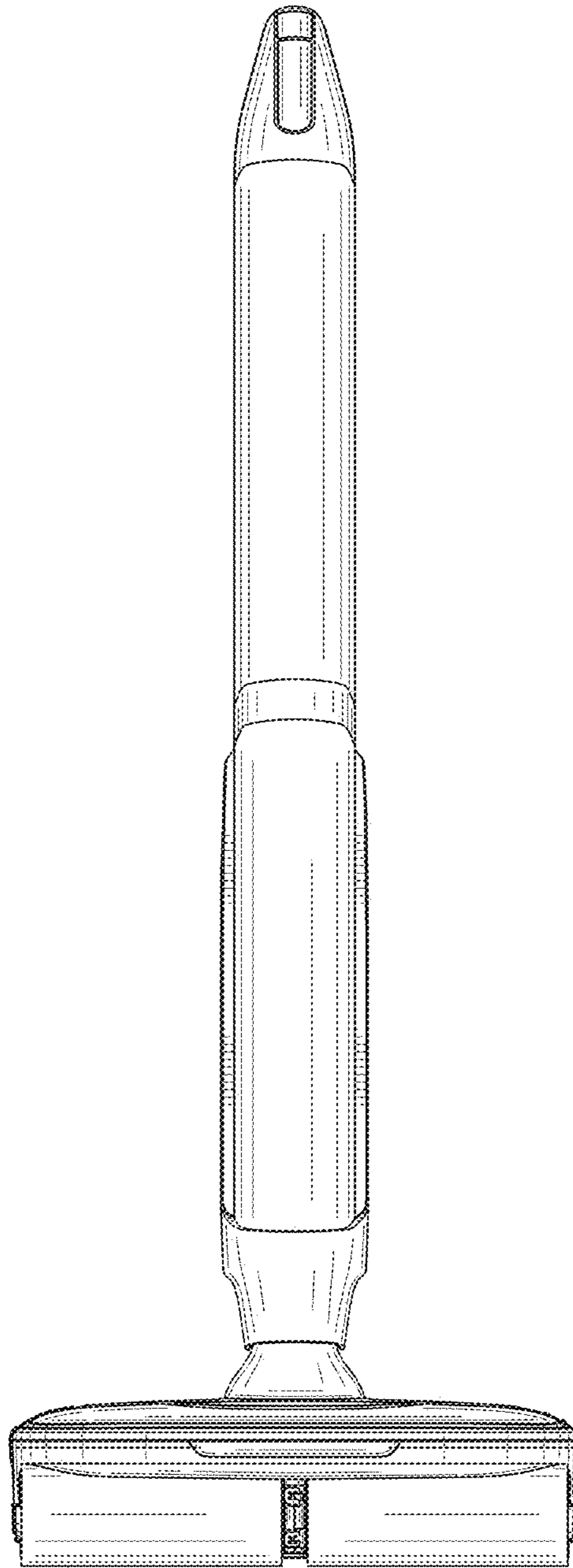


FIG. 3

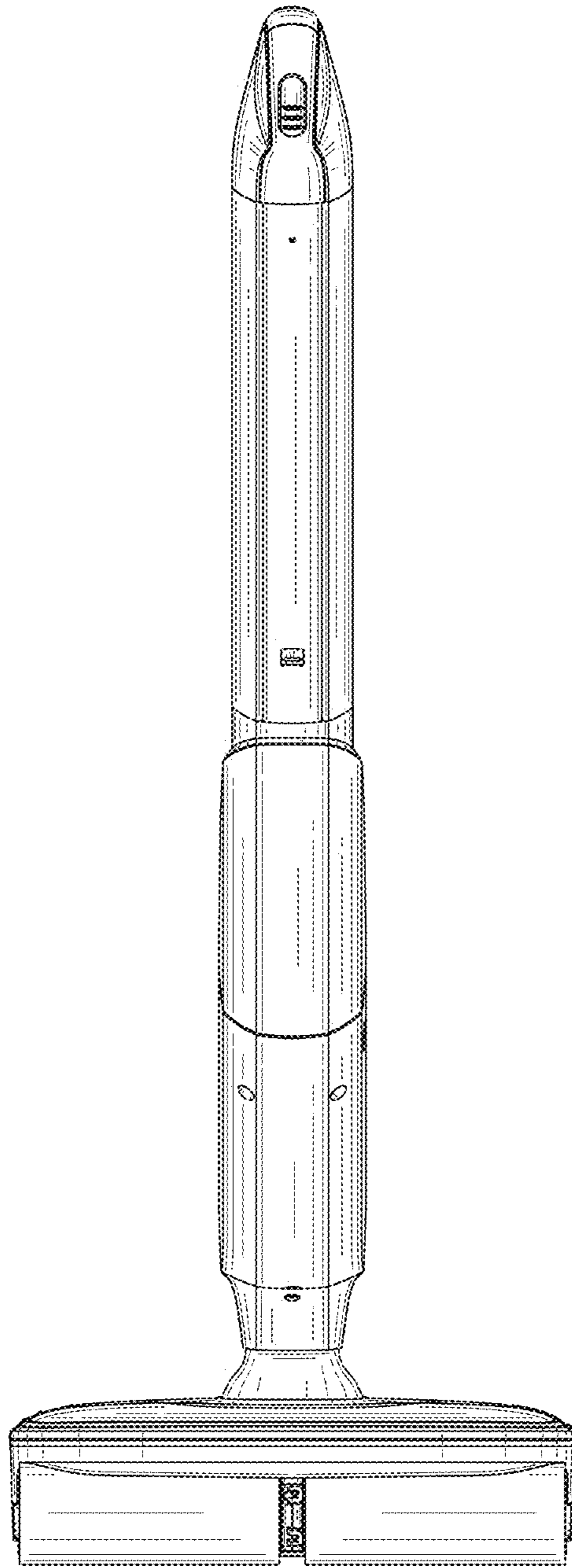


FIG. 4

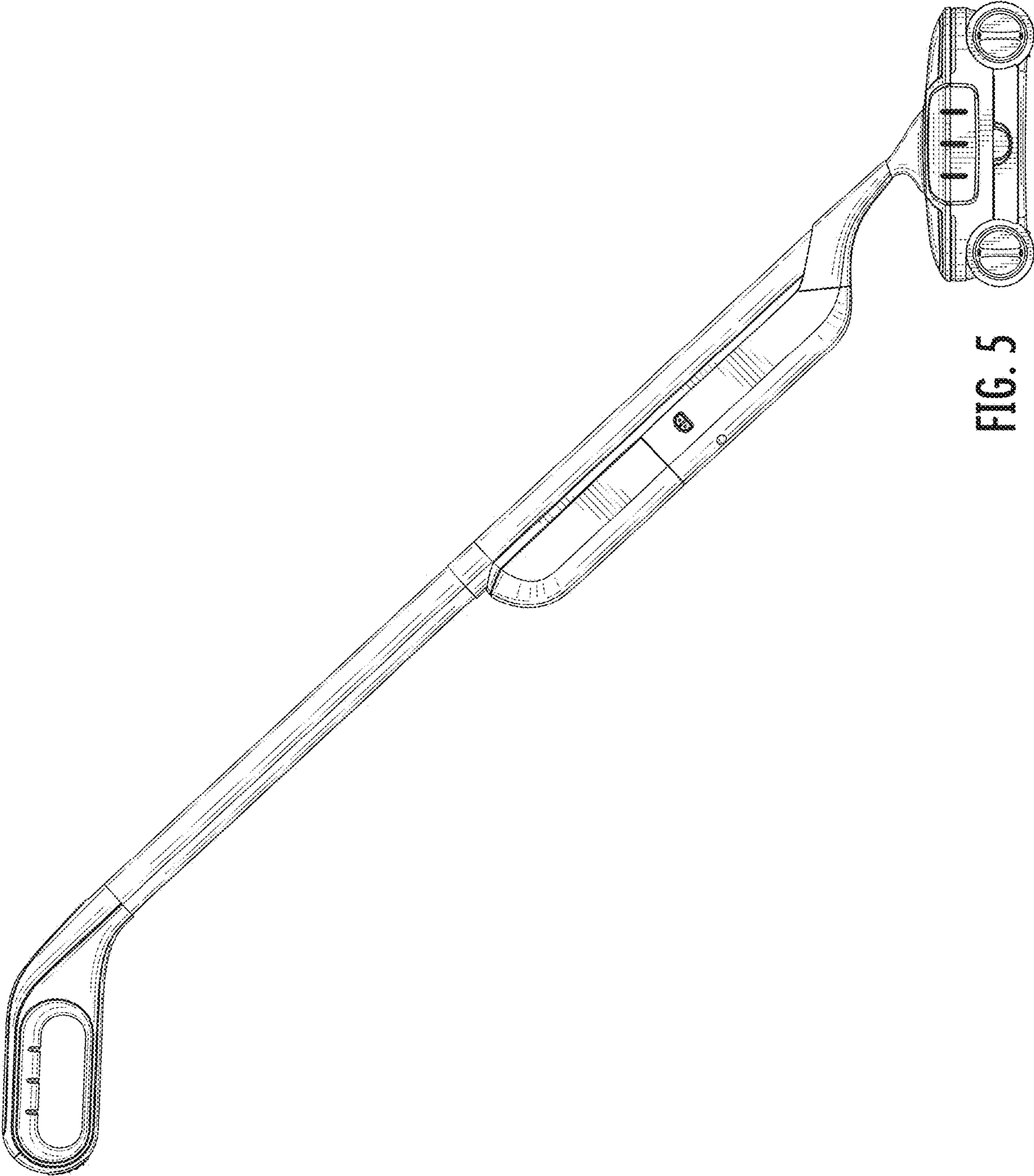


FIG. 5

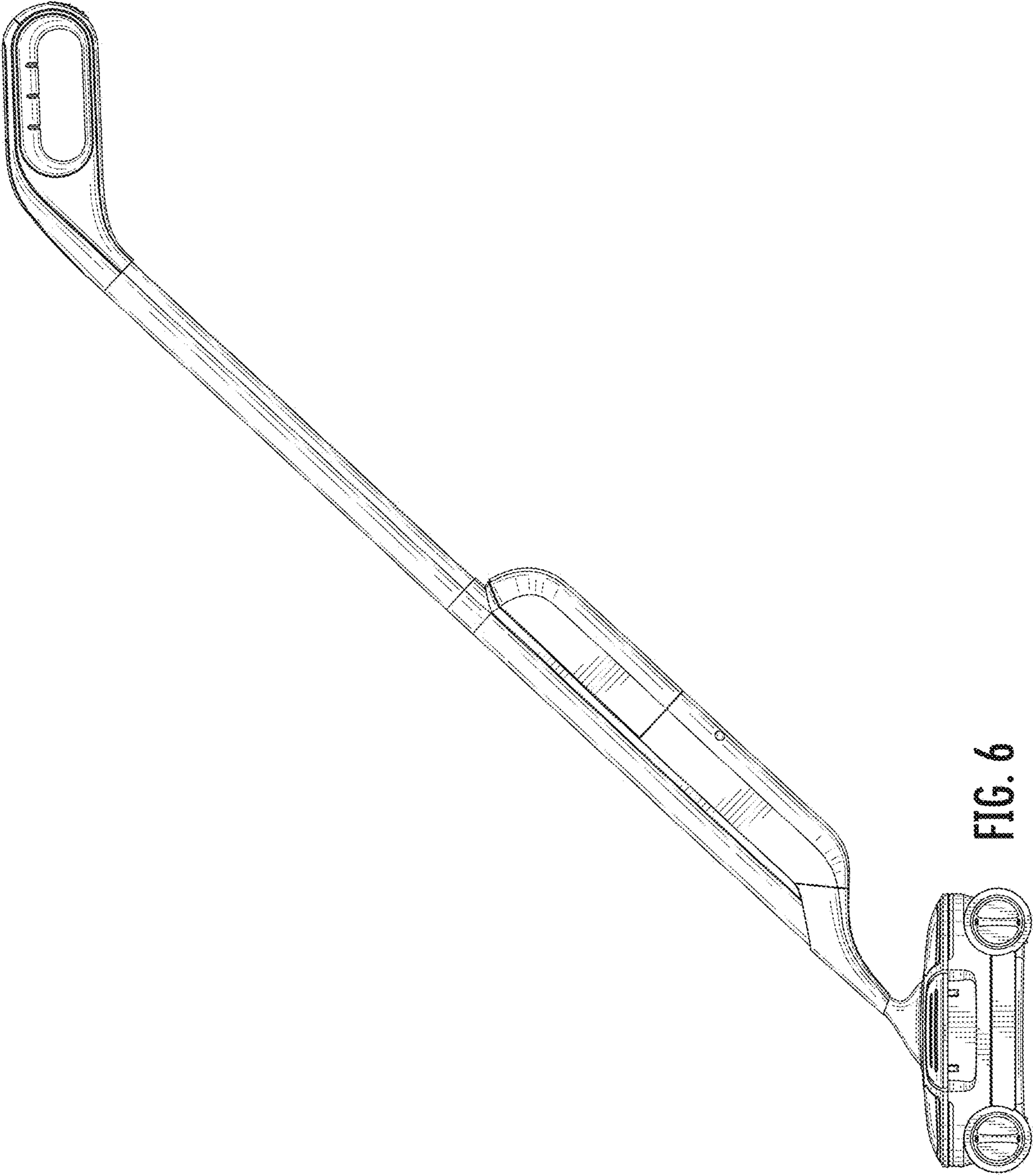


FIG. 6



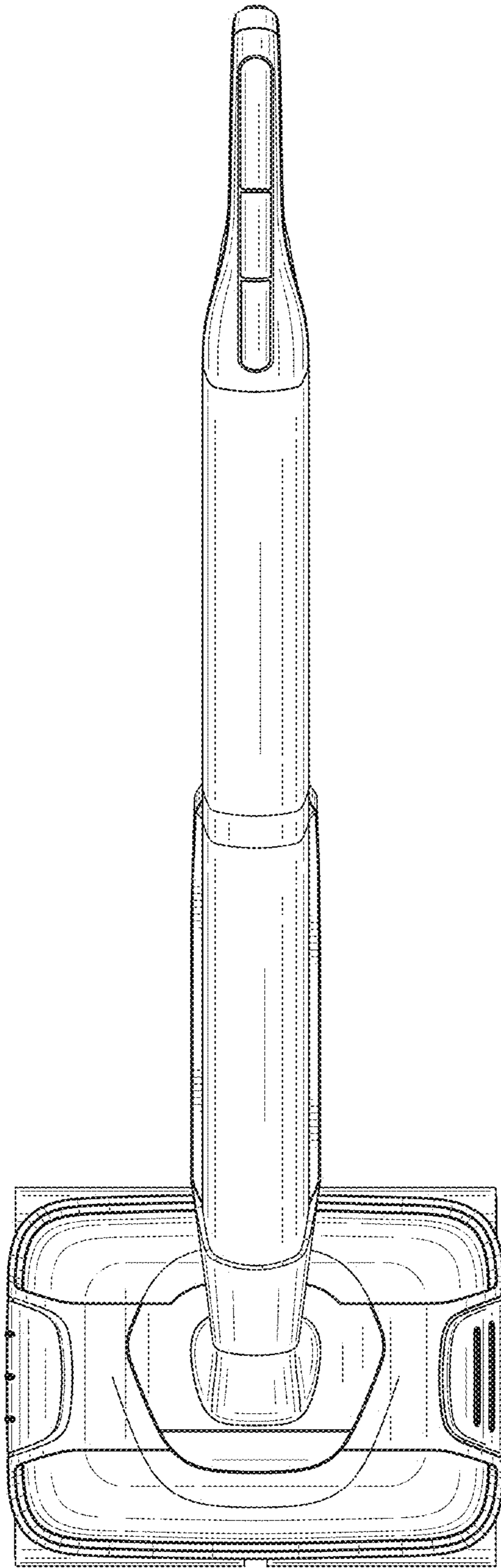


FIG. 7