

# United States Patent [19]

Yuen

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[54] **BATTERY OPERATED VACUUM CLEANER**

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[73] Assignee: **John Manufacturing Limited,  
Kowloon, Hong Kong**

[\*\*] Term: **14 Years**

[21] Appl. No.: **514,567**

[22] Filed: **Apr. 26, 1990**

[30] **Foreign Application Priority Data**

Oct. 27, 1989 [GB] United Kingdom ..... 2001992

[52] U.S. Cl. .... **D32/18; D4/102**

[58] Field of Search ..... **D32/17, 18; 15/344,  
15/329; D4/100, 101, 102**

[56] **References Cited**

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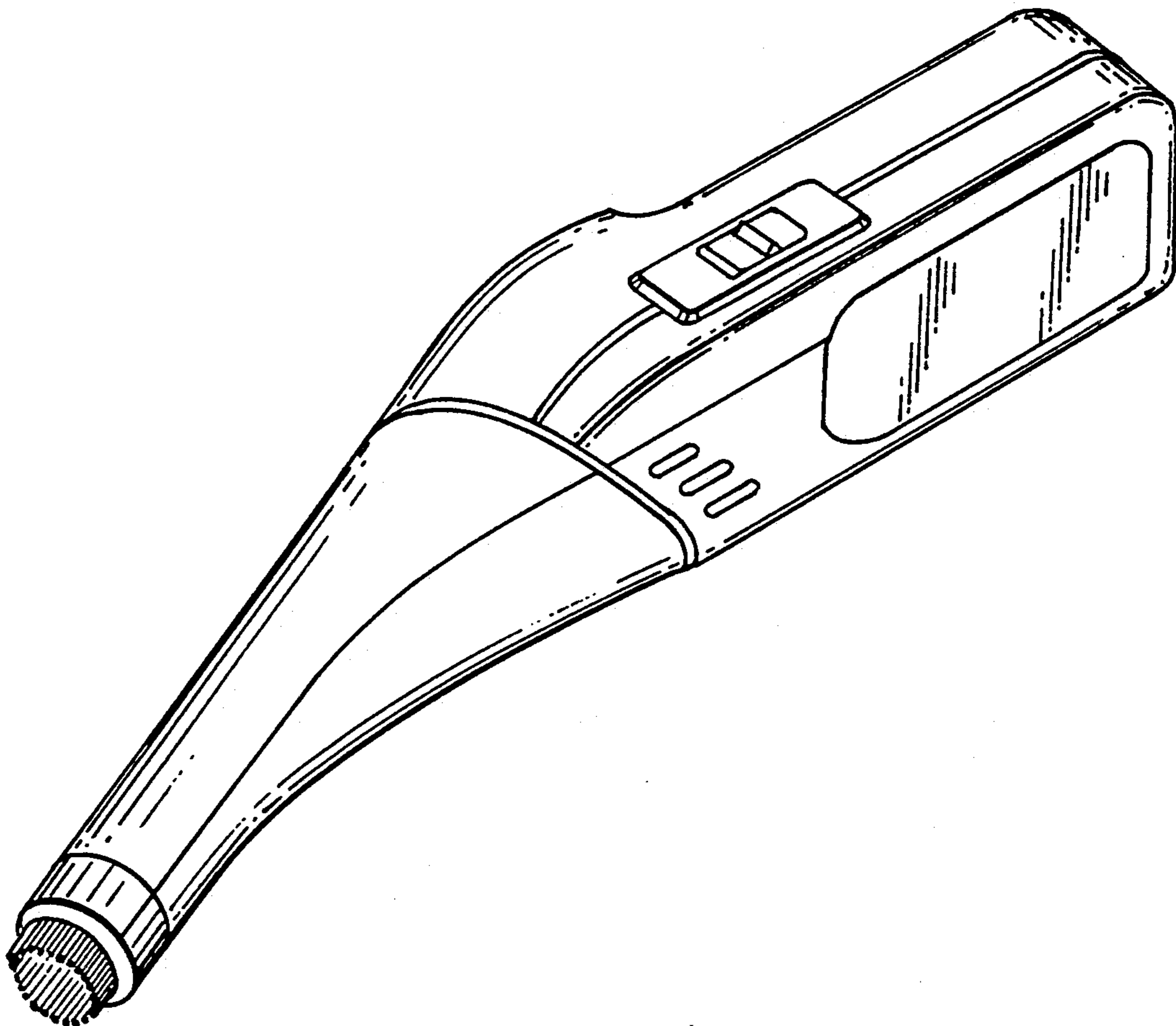
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Minnich & McKee

[57] **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a top plan view of a battery operated vacuum cleaner showing my new design;  
FIG. 2 is a right side elevational view thereof, the left side being a mirror image;  
FIG. 3 is a bottom plan view thereof;  
FIG. 4 is a front elevational view thereof;  
FIG. 5 is a rear elevational view thereof;  
FIG. 6 is a perspective view thereof.



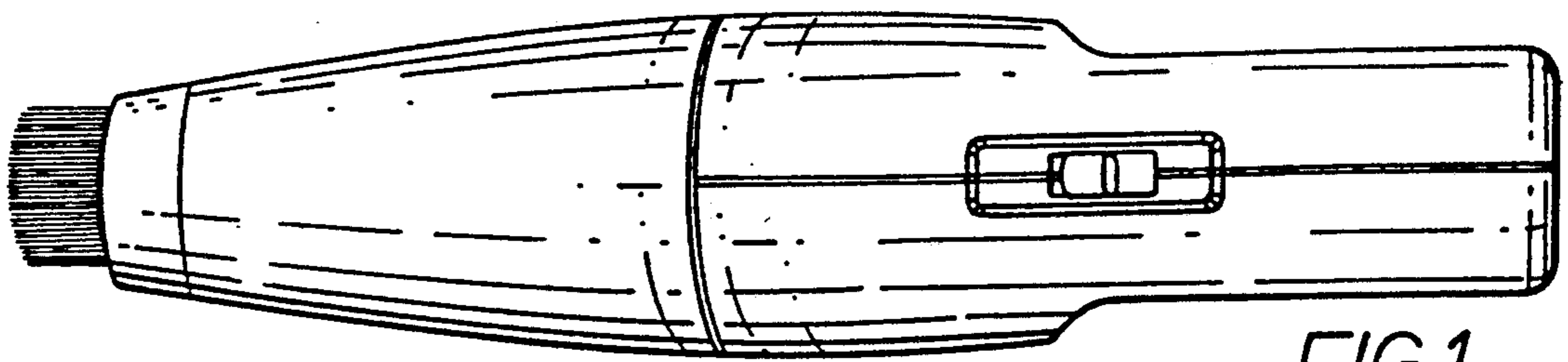


FIG. 1.

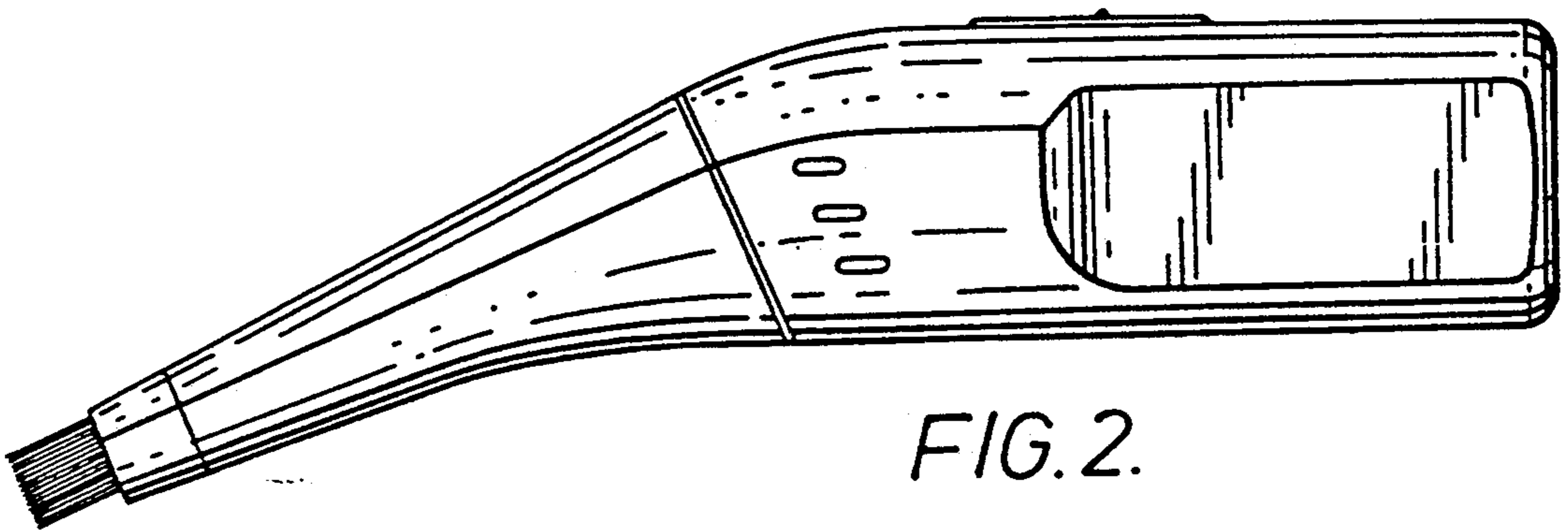


FIG. 2.

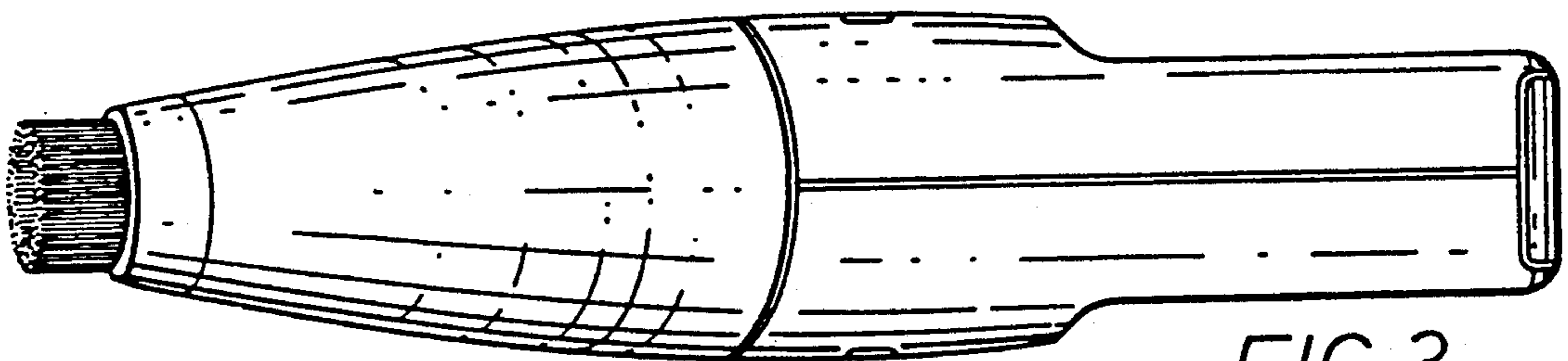


FIG. 3.

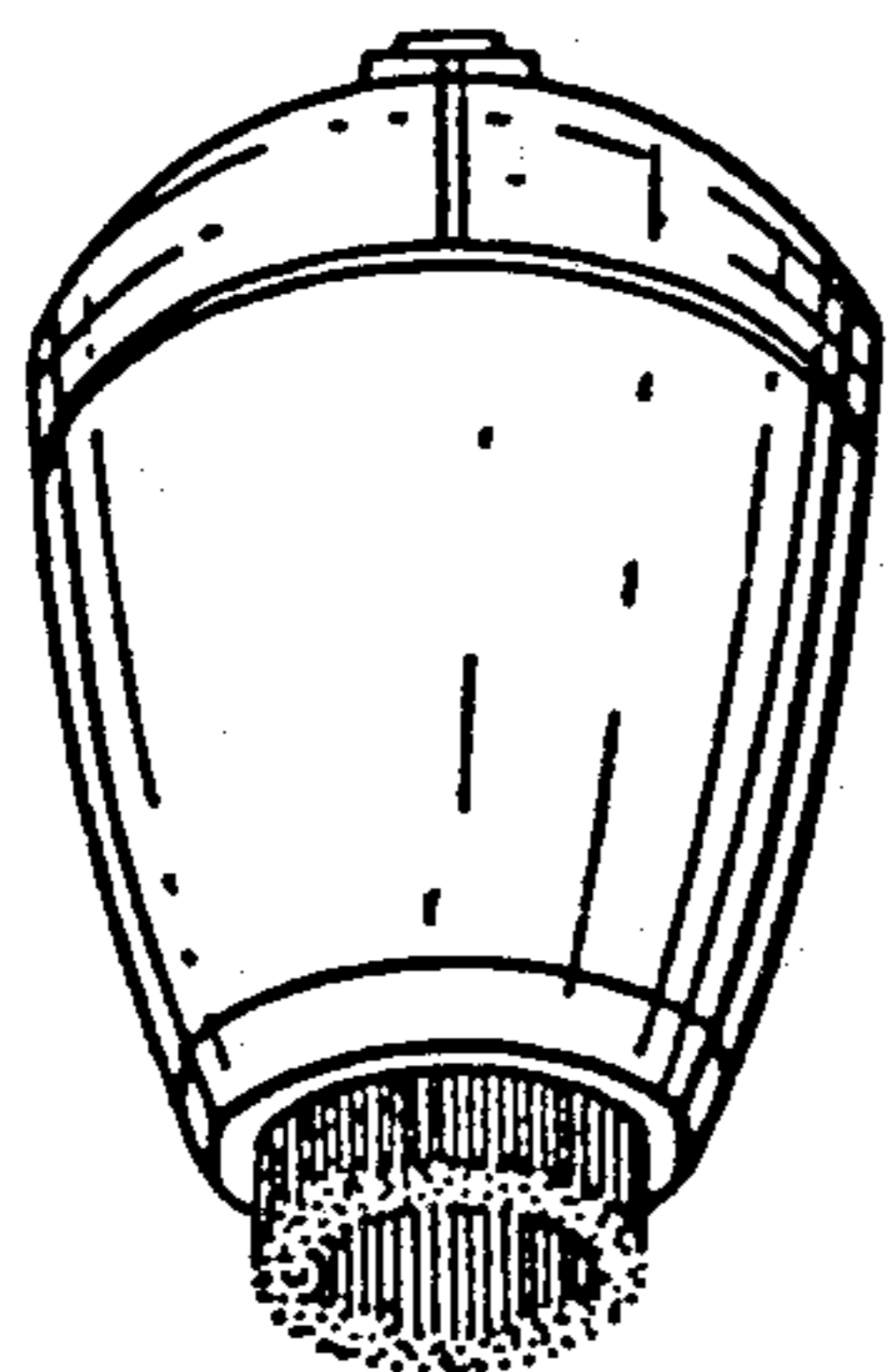


FIG. 4.

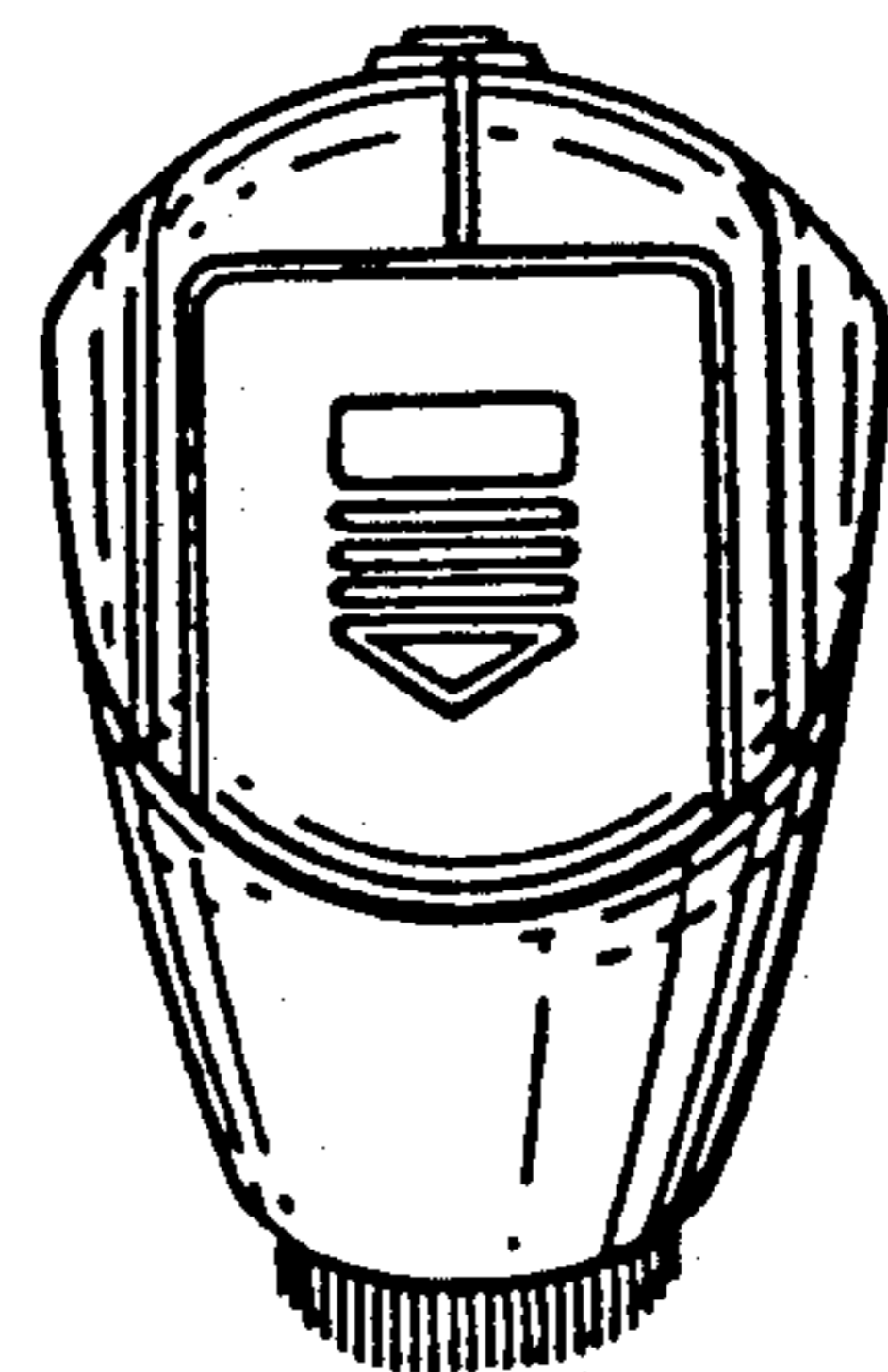


FIG. 5.

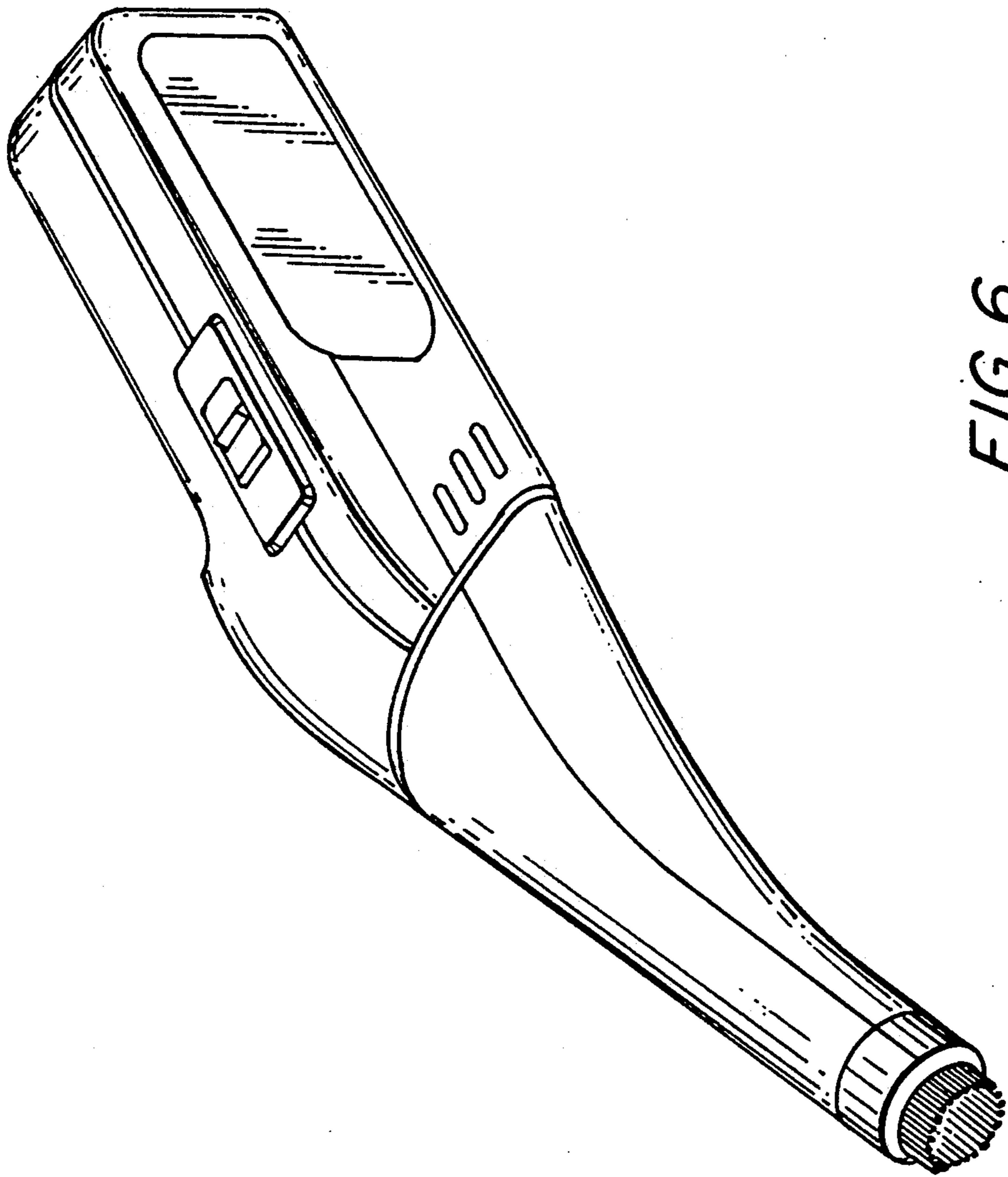


FIG. 6