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

(10) **Patent No.:** **US D610,679 S**  
(45) **Date of Patent:** **\*\* Feb. 23, 2010**

(54) **AUTOMATIC DENTAL DRUG SOLUTION INJECTION DEVICE**

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D583,932 S \* 12/2008 Clement et al. .... D24/113  
D594,983 S \* 6/2009 Price et al. .... D24/145

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\* cited by examiner

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(\*\*) Term: **14 Years**

(57) **CLAIM**

(21) Appl. No.: **29/329,995**

The ornamental design for an automatic dental drug solution injection device, as shown and described.

(22) Filed: **Dec. 24, 2008**

(30) **Foreign Application Priority Data**

**DESCRIPTION**

Jul. 3, 2008 (JP) ..... 2008-017163

FIG. 1 is a front view of an automatic dental drug solution injection device showing our new design;

(51) **LOC (9) Cl.** ..... **24-02**

FIG. 2 is a top plan view thereof;

(52) **U.S. Cl.** ..... **D24/133**

FIG. 3 is a bottom plan view thereof;

(58) **Field of Classification Search** ..... D24/133,  
D24/112, 108, 113, 114, 145; 604/19, 131,  
604/27, 30, 37, 35, 902, 65, 207, 198

FIG. 4 is a right side view thereof;

See application file for complete search history.

FIG. 5 is a left side view thereof; and,

FIG. 6 is a perspective view thereof.

(56) **References Cited**

The broken line showing of portions of the automatic dental drug solution injection device is included for the purpose of illustrating environmental structure and forms no part of the claimed design.

**U.S. PATENT DOCUMENTS**

D479,325 S \* 9/2003 Tyce ..... D24/114  
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**1 Claim, 3 Drawing Sheets**

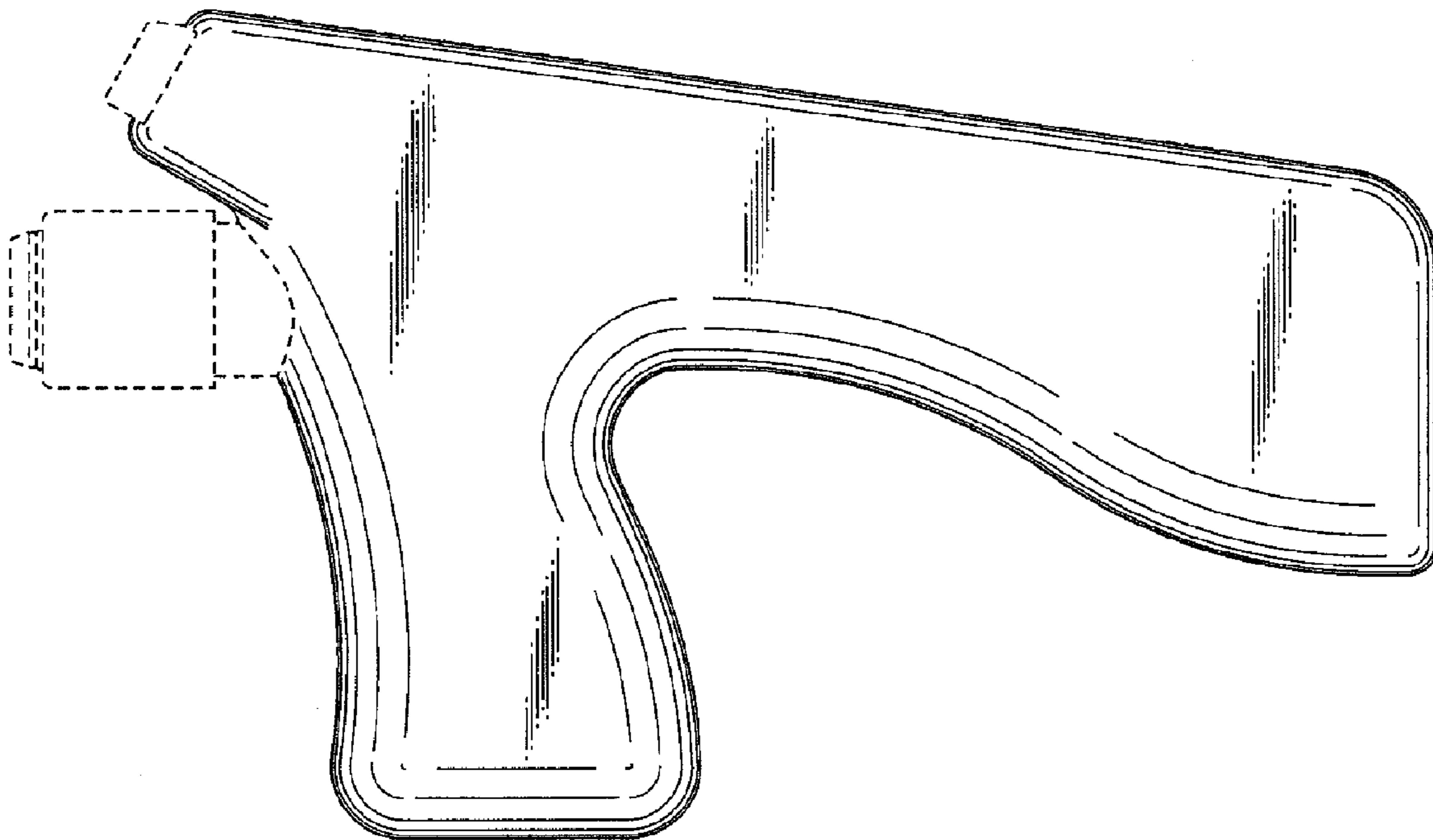


FIG.1

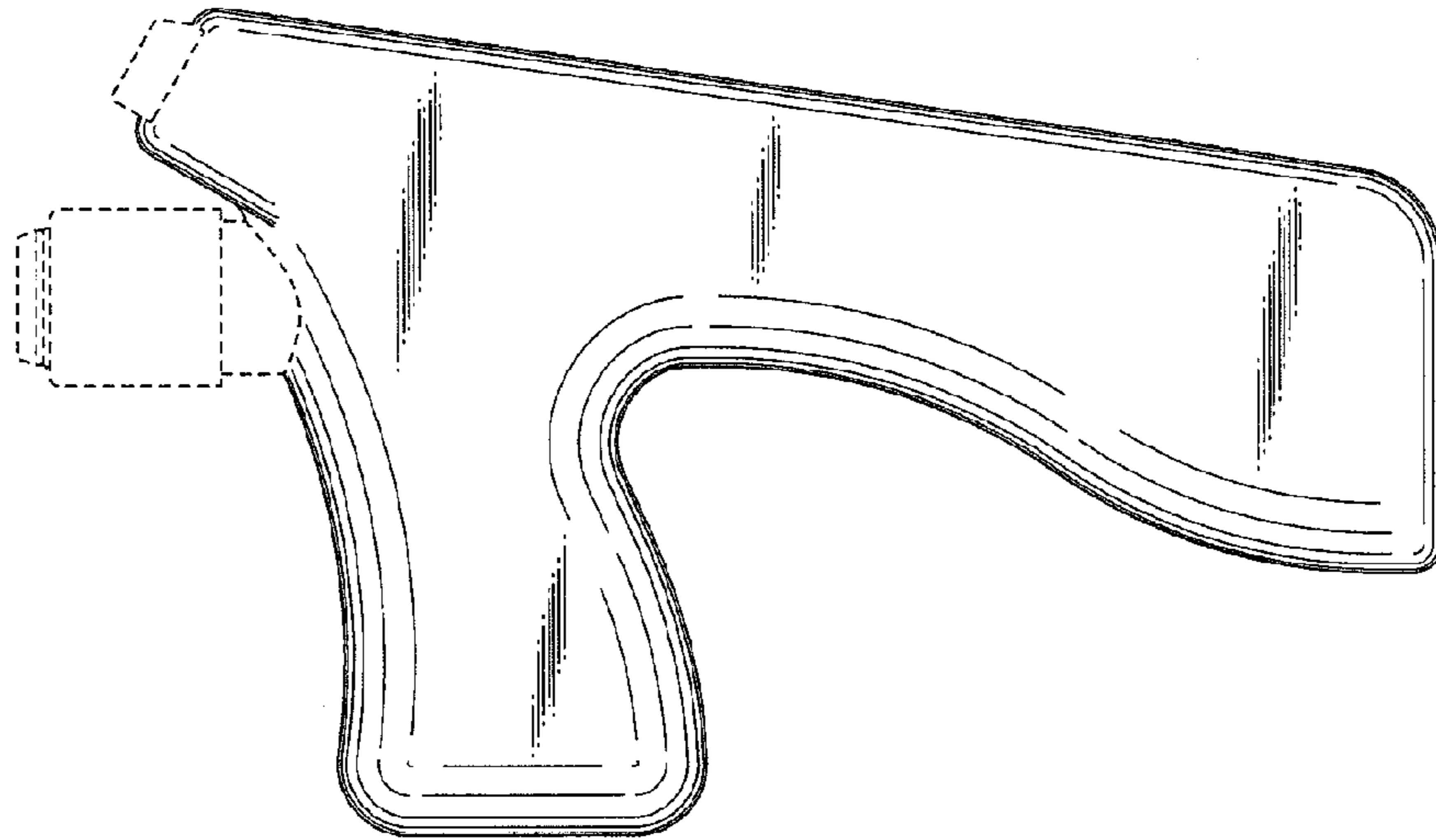


FIG.2

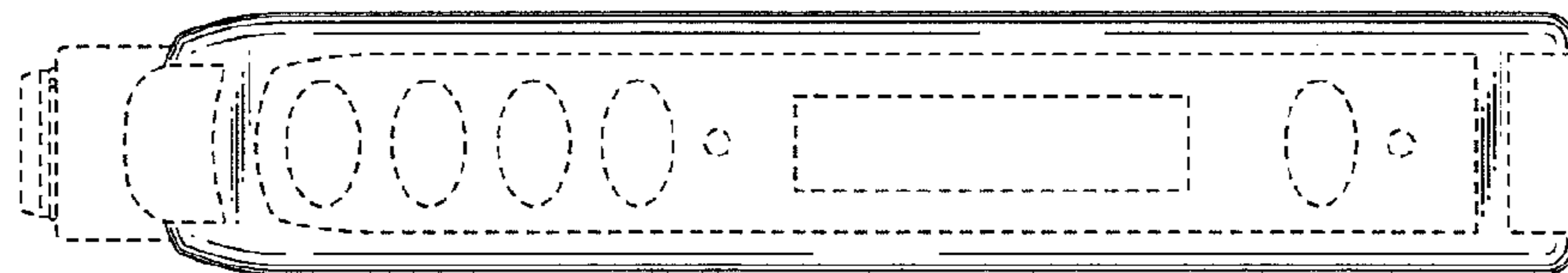


FIG.3

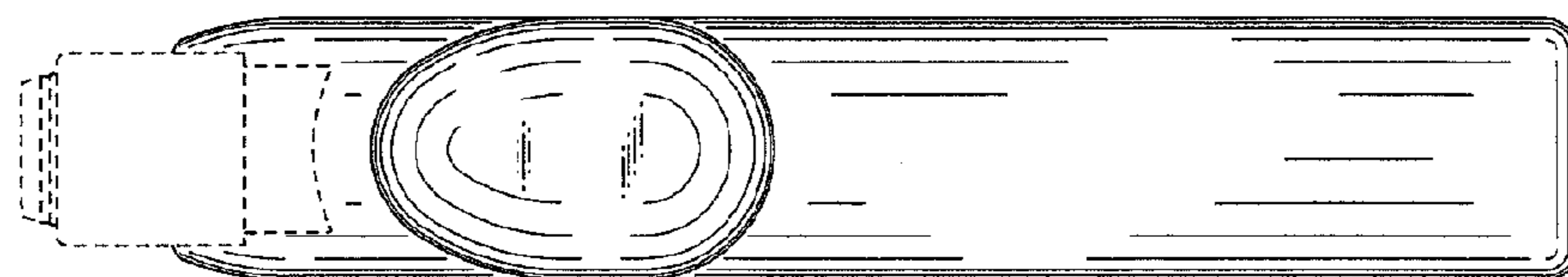


FIG.4

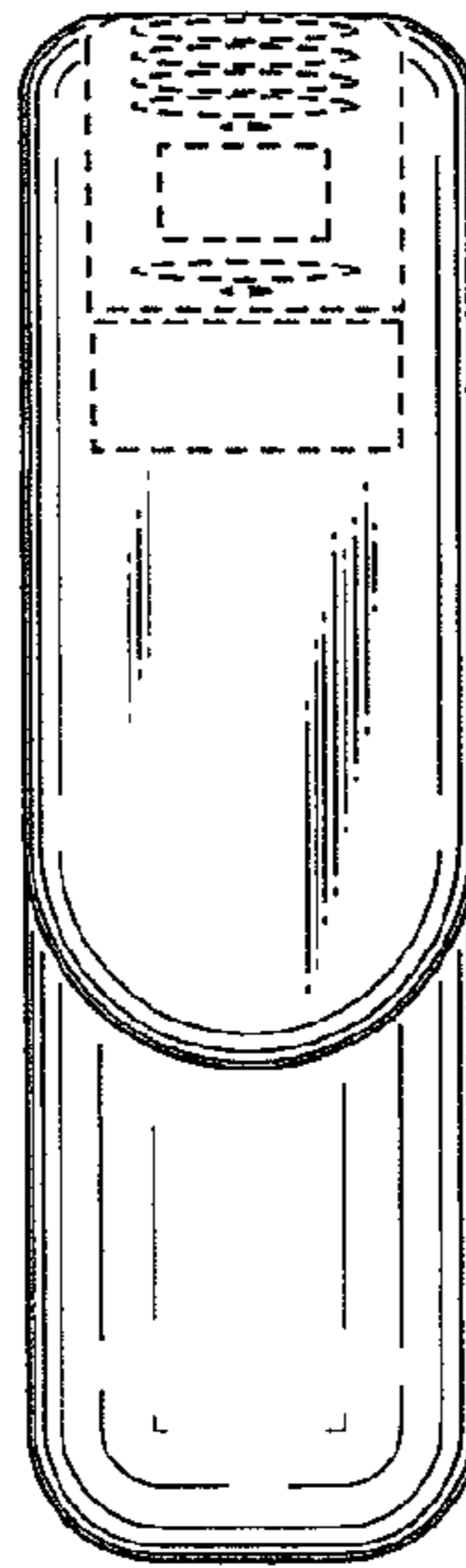


FIG.5

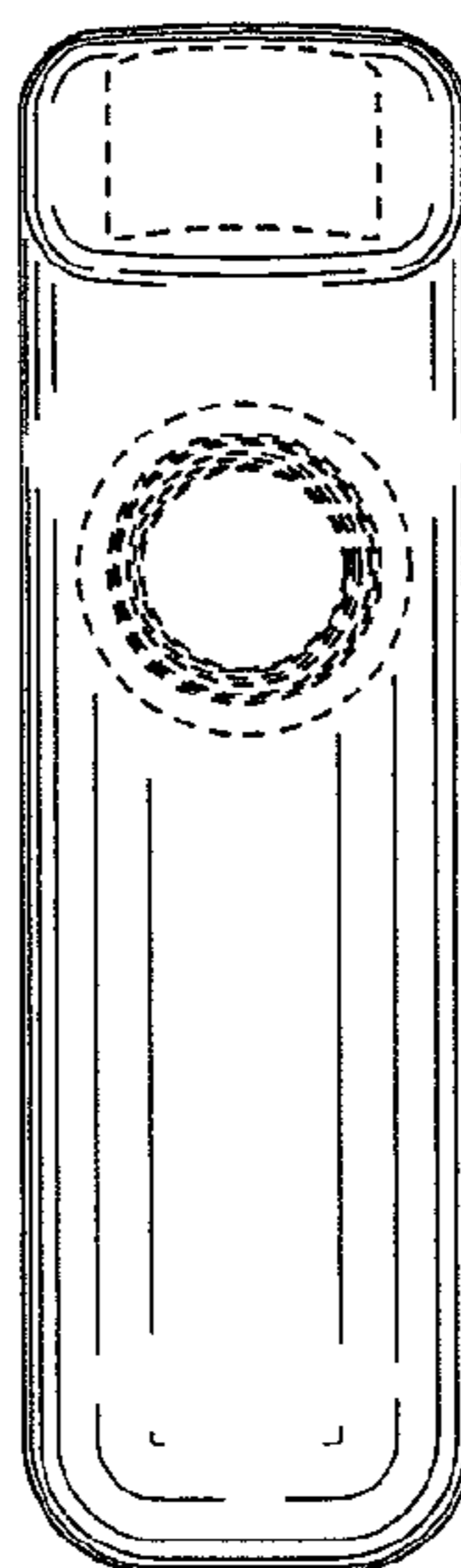


FIG.6

