



US00D405070S

United States Patent [19]
Kitagawa et al.

[11] **Patent Number: Des. 405,070**
[45] **Date of Patent: **Feb. 2, 1999**

[54] **IC CARD READER AND WRITER**

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[73] Assignee: **Hitchi, Ltd.**, Tokyo, Japan

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

[21] Appl. No.: **75,977**

[22] Filed: **Jul. 15, 1997**

[30] **Foreign Application Priority Data**

Jan. 31, 1997 [JP] Japan 9-2270

[51] **LOC (6) Cl.** **14-02**

[52] **U.S. Cl.** **D14/114**

[58] **Field of Search** D14/114, 117;
D19/9-10; D13/182; 40/124.01; 283/75-77,
48.1, 107, 83, 901; 235/382.5, 375, 441-3,
487-94; 361/736-7

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[57] **CLAIM**

The ornamental design for IC card reader and writer, as shown and described.

DESCRIPTION

FIG. 1 a front view of an IC card reader and writer showing our new design;
FIG. 2 is a right view thereof;
FIG. 3 is a top view thereof;
FIG. 4 is a bottom view thereof;
FIG. 5 is a rear view thereof;
FIG. 6 is left side view thereof; and,
FIG. 7 is a perspective view of our new design for an IC card reader and writer showing for illustrative purposes only a card, in broken line, of a type useable with the IC card reader and writer, which card does not form a part of our design.

1 Claim, 3 Drawing Sheets

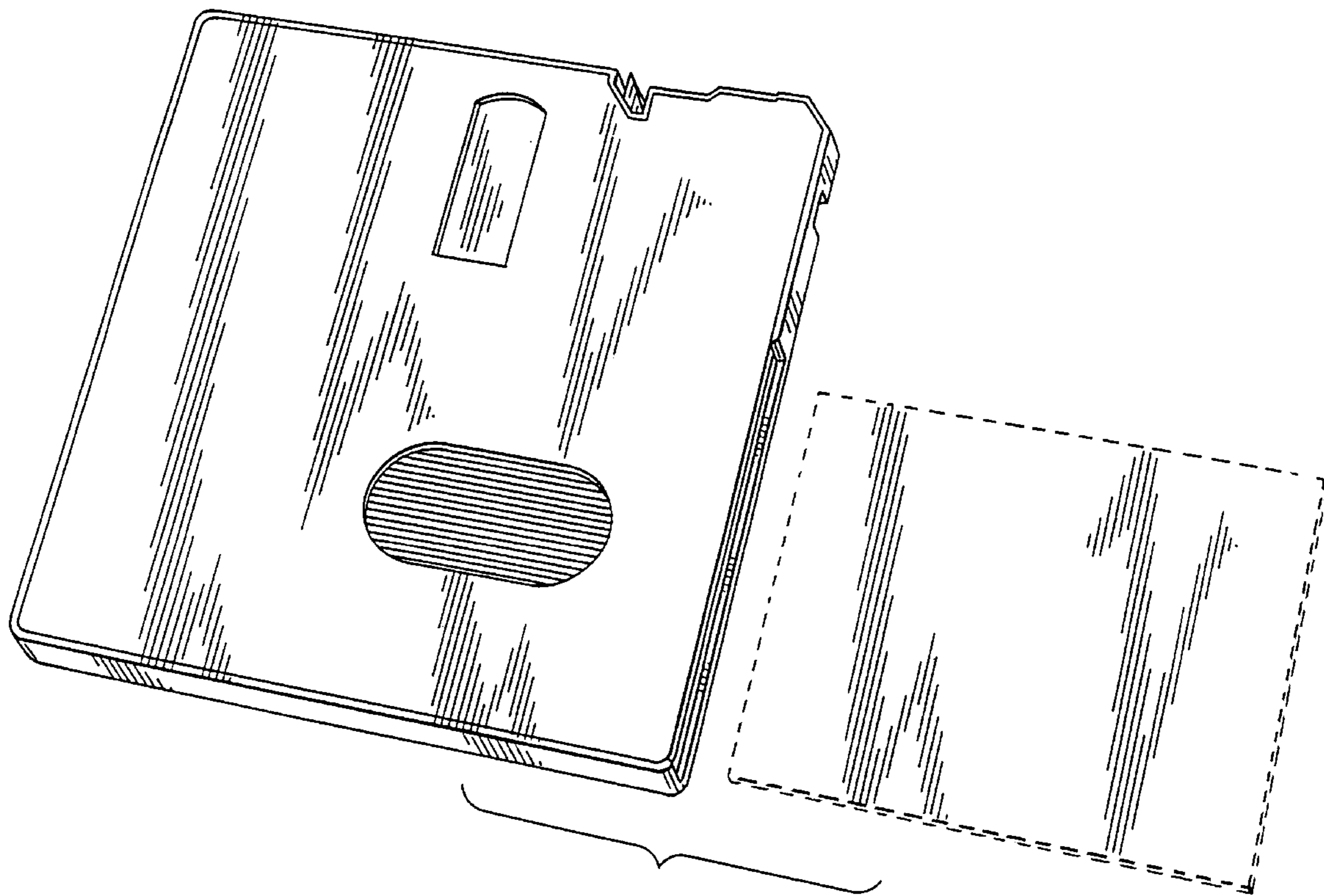


FIG. 1

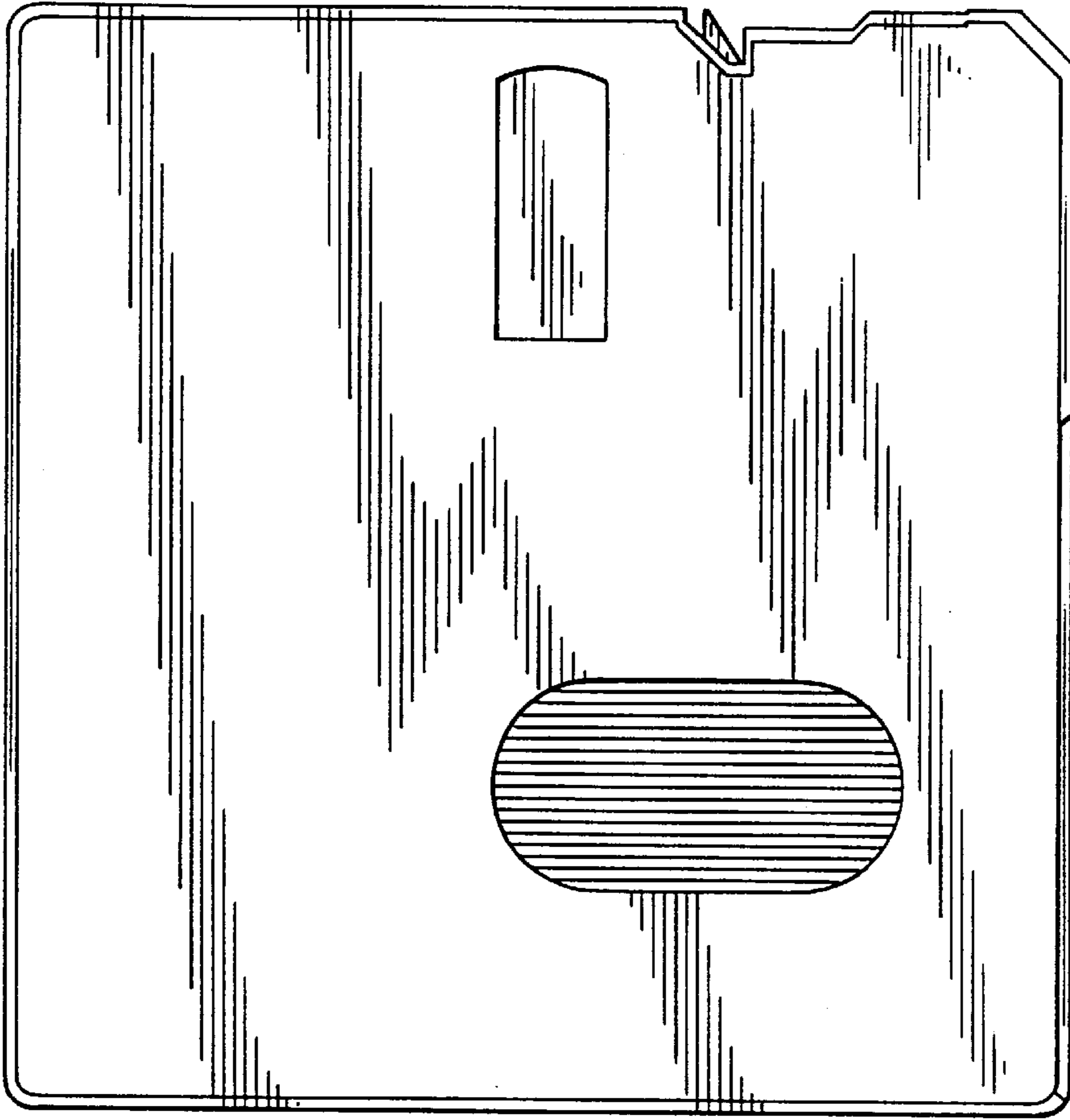


FIG. 2



FIG. 3



FIG. 4



FIG. 5

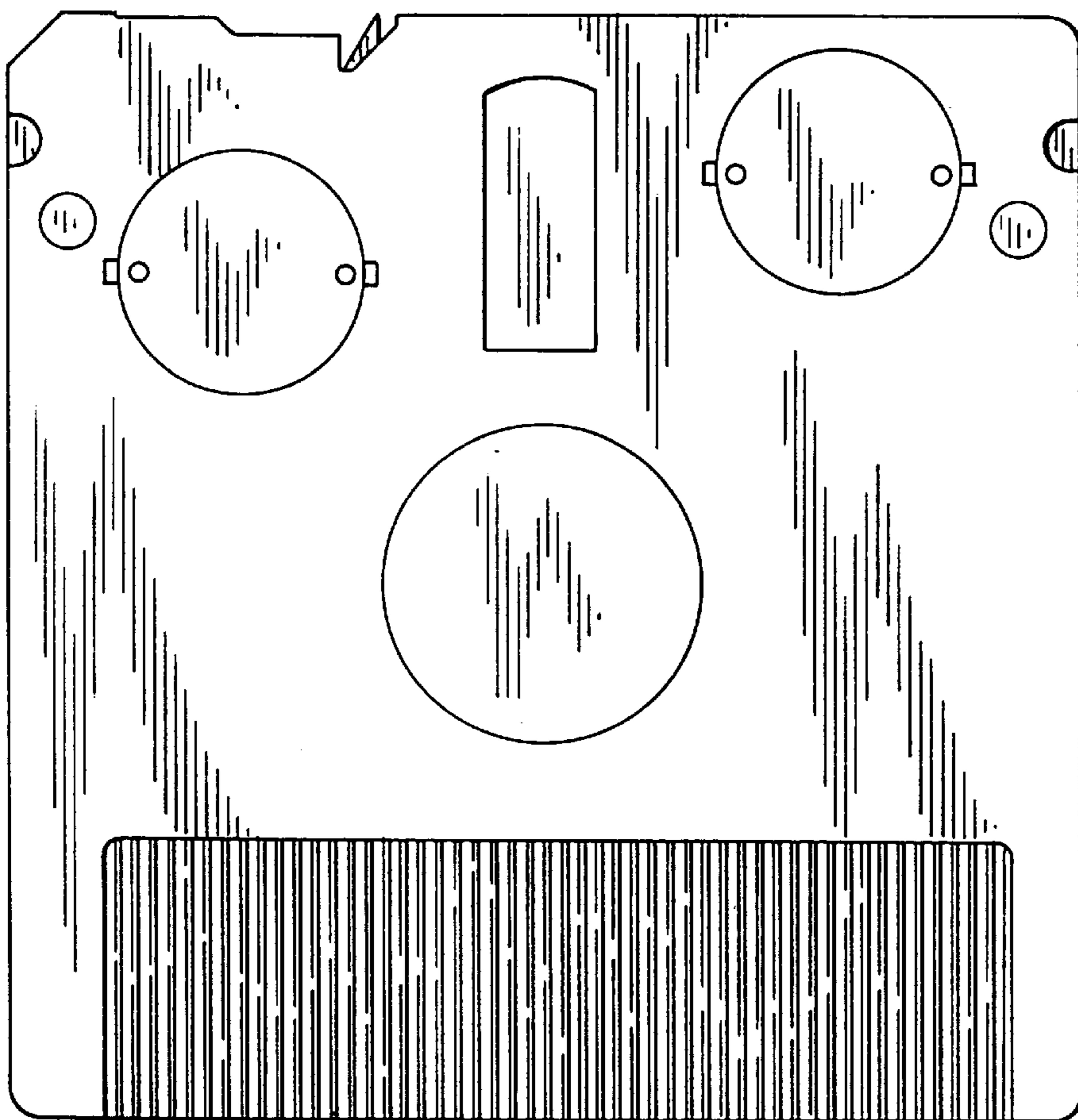


FIG. 6



FIG. 7

