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

(10) **Patent No.:** **US D500,038 S**

(45) **Date of Patent:** **** Dec. 21, 2004**

(54) **READER AND WRITER FOR IC CARD**

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Tadaharu Mukai, Nara-ken (JP)

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

(21) Appl. No.: **29/188,213**

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(30) **Foreign Application Priority Data**

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(51) **LOC (7) Cl.** **14-02**

(52) **U.S. Cl.** **D14/385**

(58) **Field of Search** D14/383-388,
D14/155, 162, 342, 496, 420, 426; 235/380,
382, 382.5; 250/556

(56) **References Cited**

U.S. PATENT DOCUMENTS

D381,638 S * 7/1997 Kruse et al. D14/342

D387,337 S * 12/1997 Sween et al. D14/420
D392,624 S * 3/1998 Hower et al. D14/388
D420,662 S * 2/2000 Amron D14/496
D447,140 S * 8/2001 Mittler D14/383

* cited by examiner

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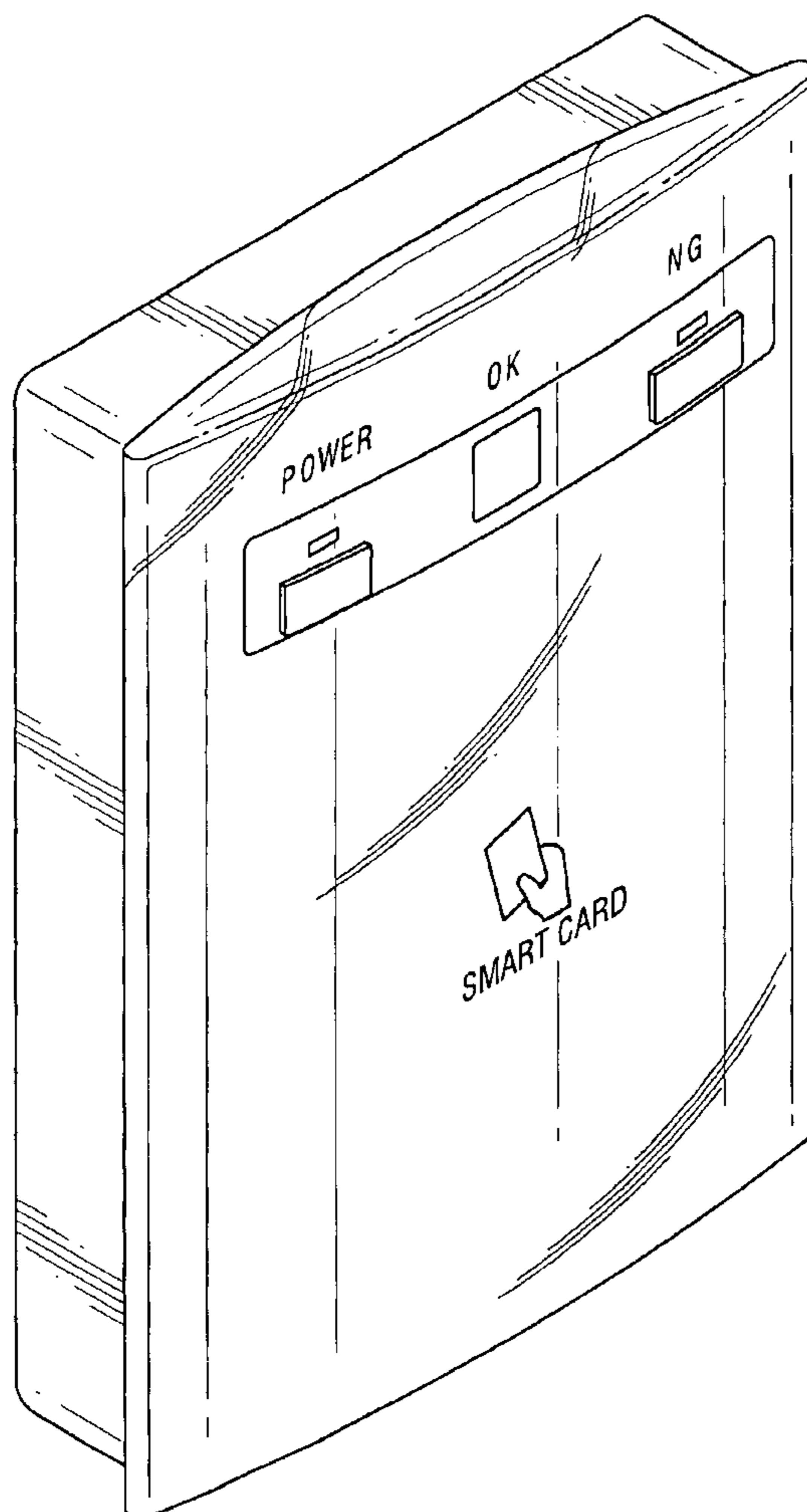
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a top, front and left side perspective view of a reader and writer for IC card according to our design; FIG. 2 is a front elevational view thereof; FIG. 3 is a rear elevational view thereof; FIG. 4 is a top plan view thereof, the bottom plan view being a mirror image thereof; and, FIG. 5 is a right side elevational view thereof, the left side being a mirror image thereof.

1 Claim, 5 Drawing Sheets



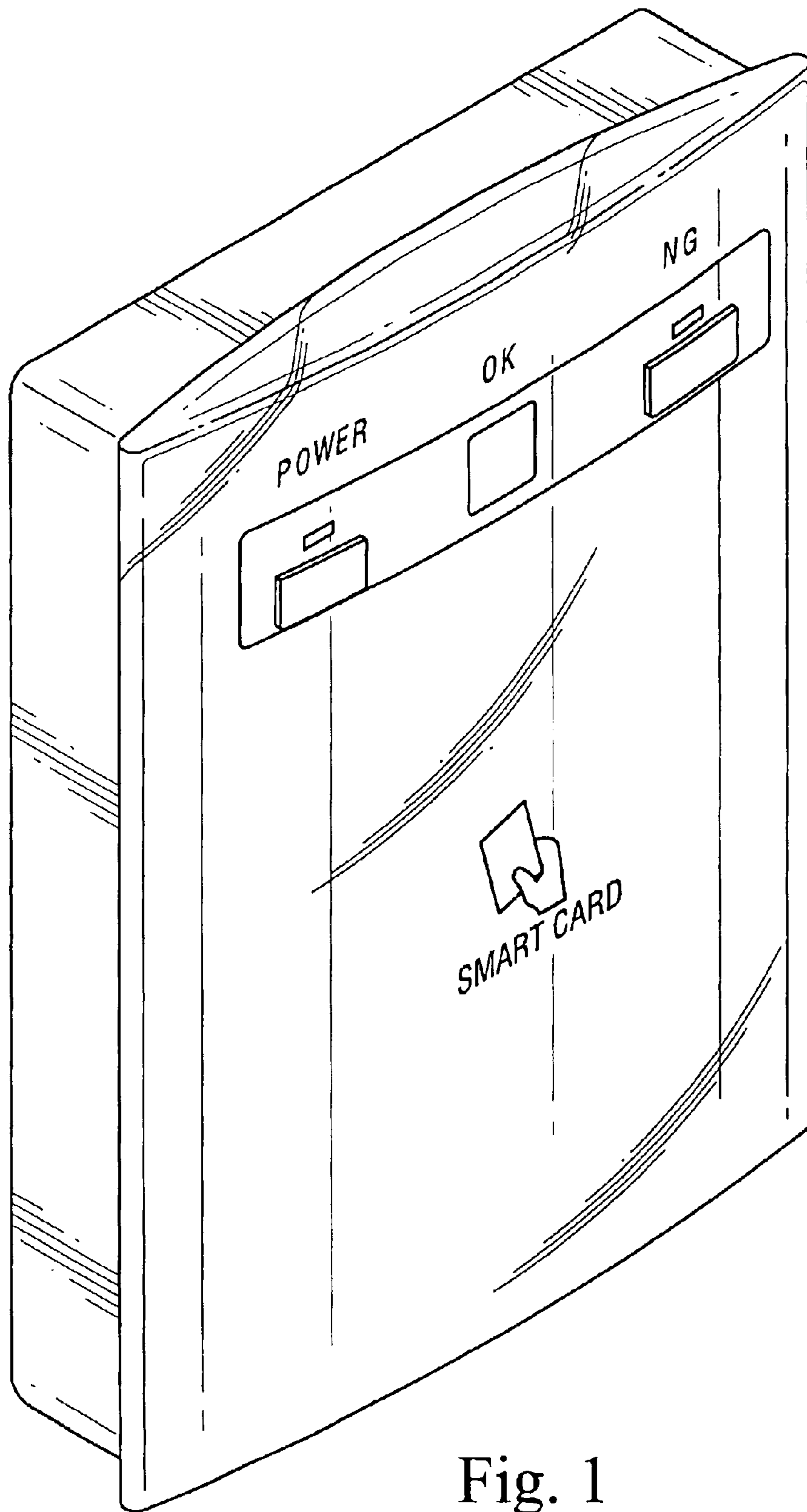


Fig. 1

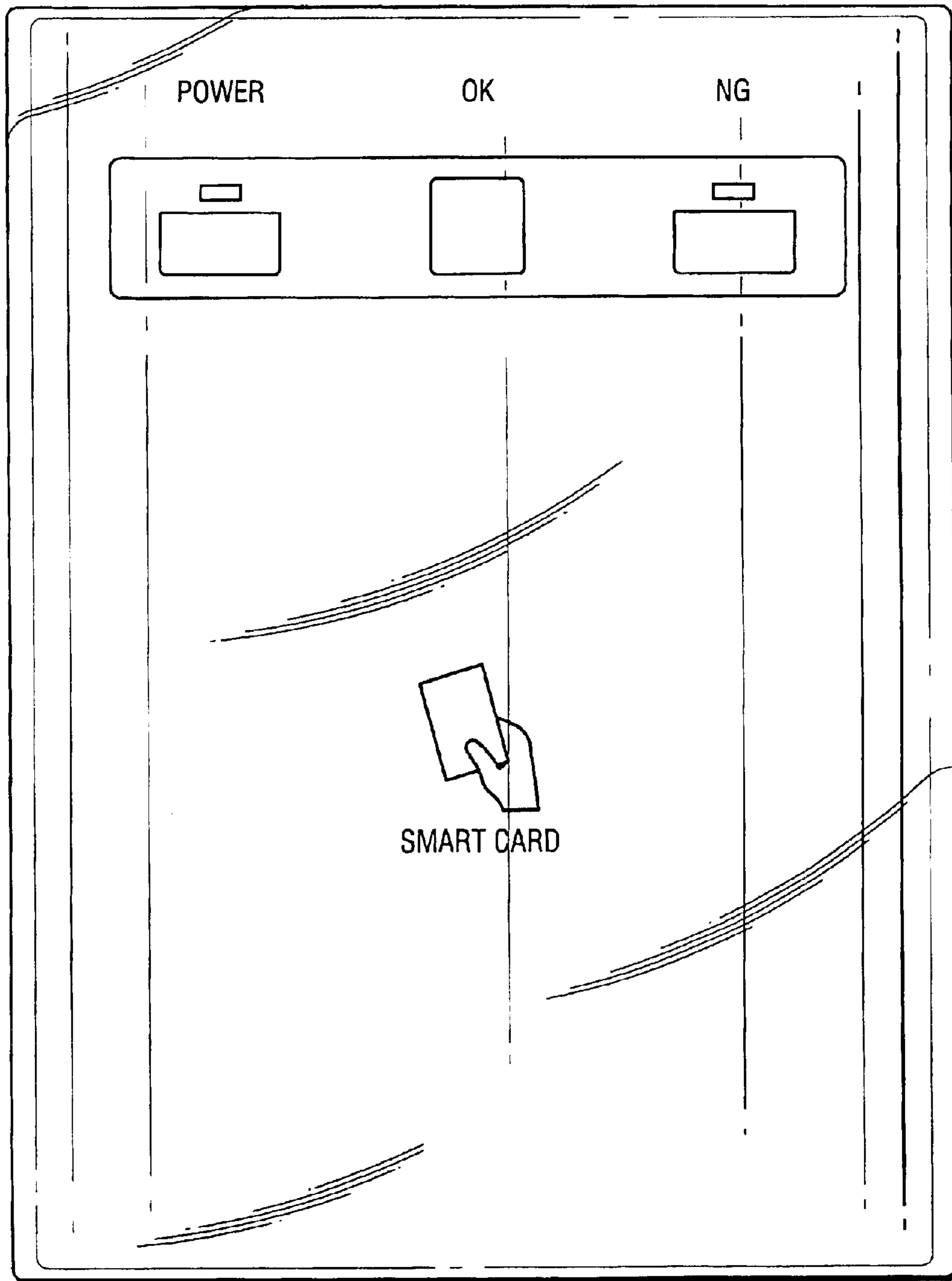


Fig. 2

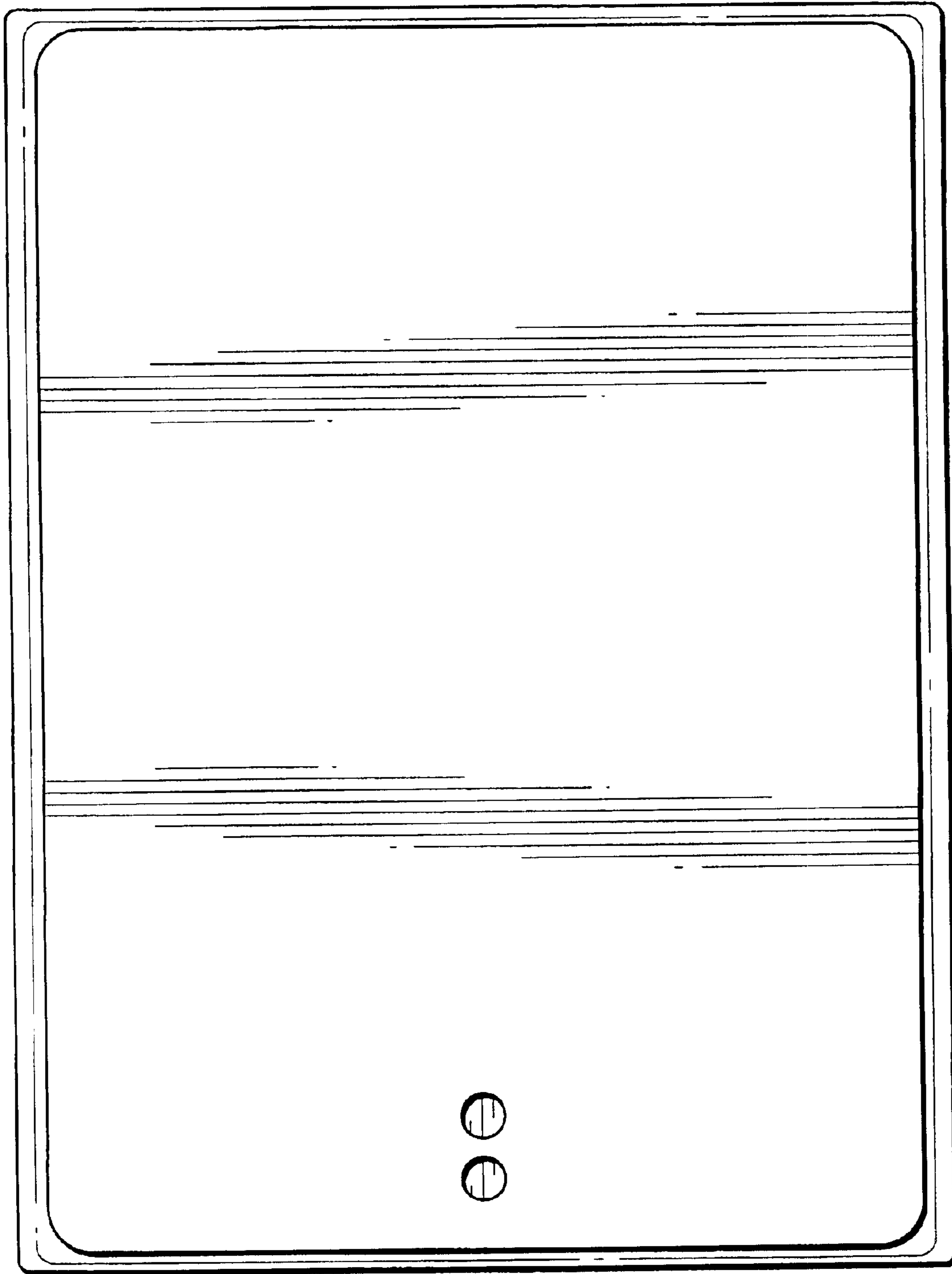


Fig. 3

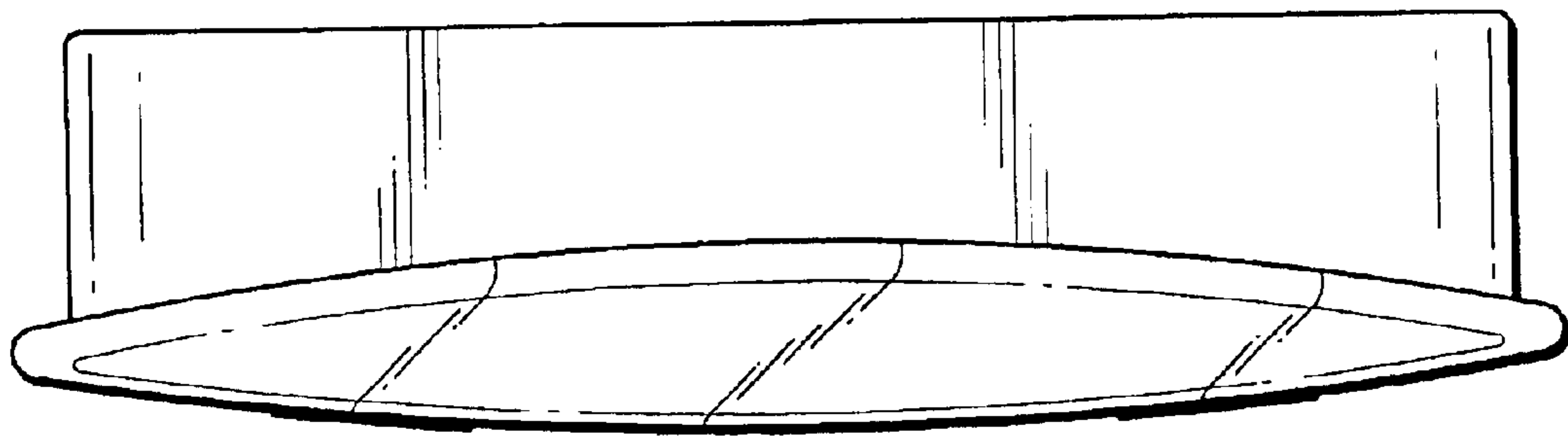


Fig. 4

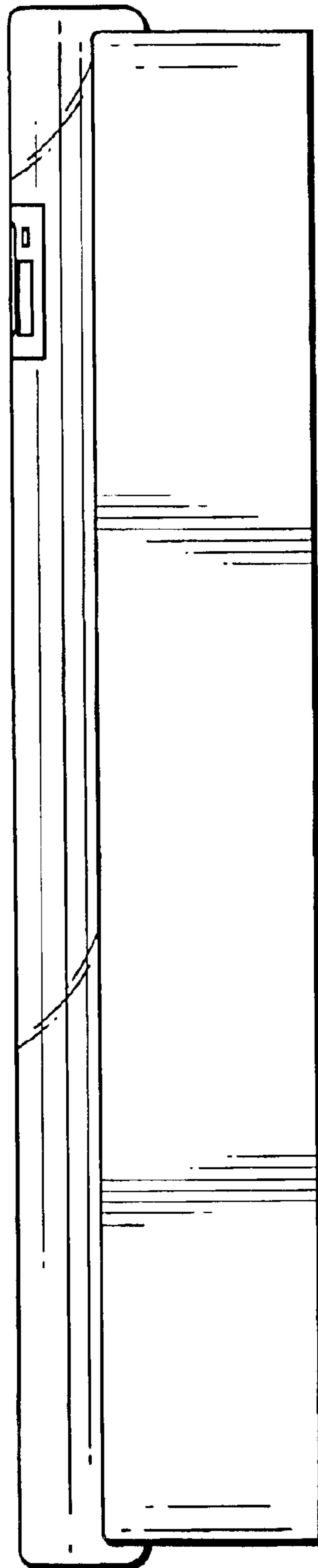


Fig. 5