

United States Patent [19]

Okunomiya et al.

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[54] **INK RIBBON CASSETTE**

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

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

[21] Appl. No.: **277,951**

[22] Filed: **Nov. 30, 1988**

[30] **Foreign Application Priority Data**

Jun. 10, 1988 [JP] Japan 63-22779
[52] U.S. Cl. **D18/12**
[58] Field of Search D18/12, 22, 99;
D14/121; 400/194, 195, 196, 196.1, 207, 208

[56] **References Cited**

U.S. PATENT DOCUMENTS

4,696,590 9/1987 Bierhoff et al. 400/208 X
4,764,041 8/1988 Bierhoff 400/208 X

FOREIGN PATENT DOCUMENTS

0222772 10/1986 Japan 400/208

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[57] **CLAIM**

The ornamental design for an ink ribbon cassette, as shown.

DESCRIPTION

FIG. 1 is a front, top and left side perspective view of an ink ribbon cassette showing our new design; FIG. 2 is a front elevational view thereof; FIG. 3 is a top plan view thereof; FIG. 4 is a right side elevational view thereof; FIG. 5 is a left side elevational view thereof; FIG. 6 is a rear elevational view thereof; and FIG. 7 is a bottom plan view thereof.

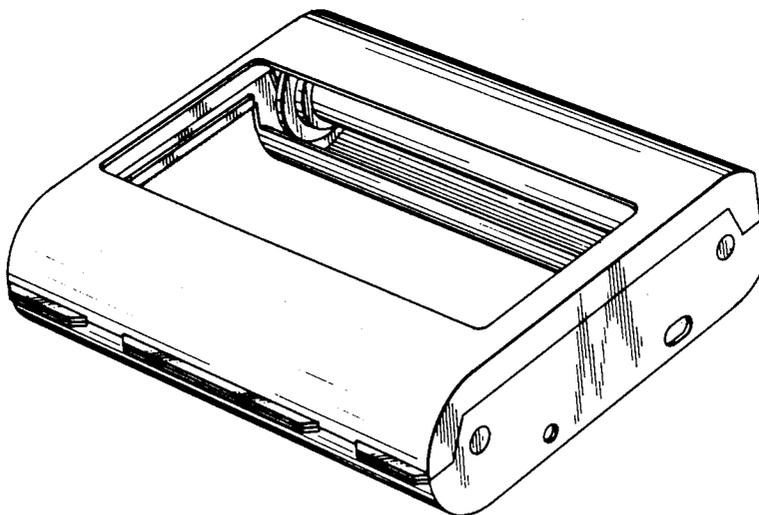


FIG. 1

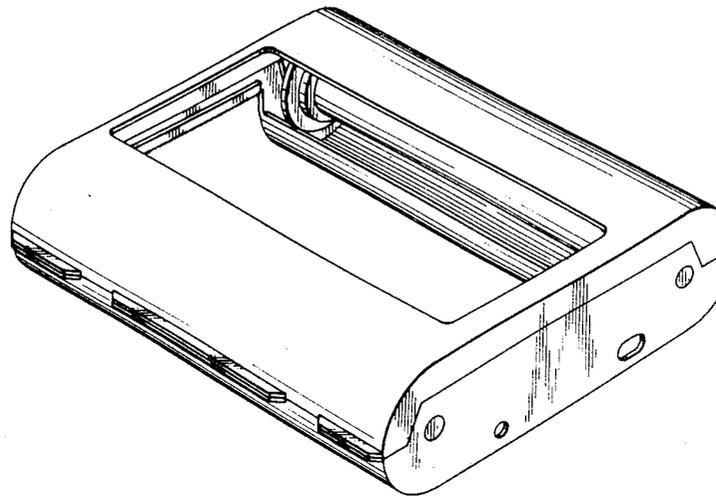


FIG. 2

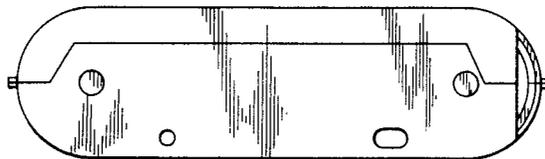


FIG. 3

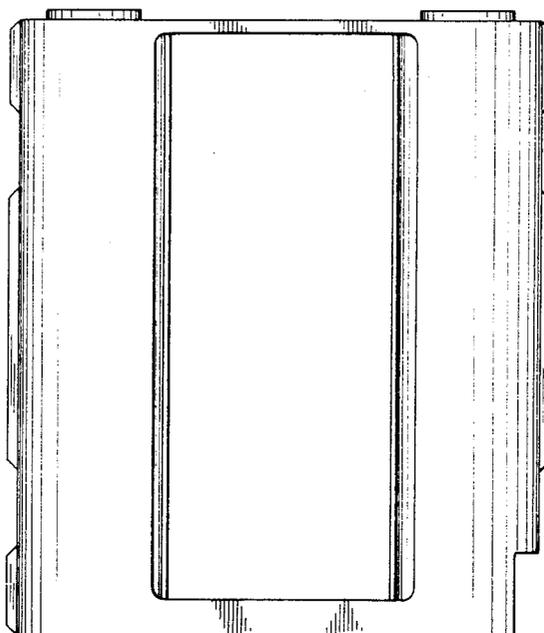


FIG. 4

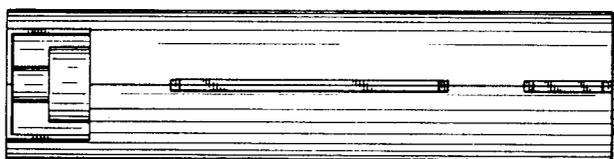


FIG. 5

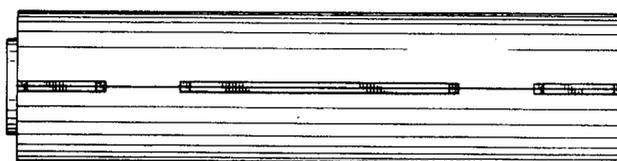


FIG. 6

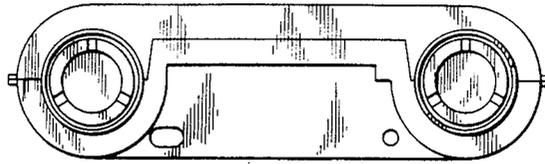


FIG. 7

