United States Patent [19]

Kawakami

[11] **Patent Number: Des. 281,878**

[45] **Date of Patent: ** Dec. 24, 1985**

[54] **ACOUSTICALLY COUPLED MODEM**

[75] Inventor: **Yoshikazu Kawakami,** Shiojiri, Japan

[73] Assignees: **Kabushiki Kaisha Epson Corporation,** Tokyo; **Suwa Seikosha,** Nagano, both of Japan

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

[21] Appl. No.: **368,772**

[22] Filed: **Apr. 15, 1982**

[30] **Foreign Application Priority Data**

Oct. 19, 1981 [JP] Japan 56-46378

[52] **U.S. Cl.** **D14/57;** D14/101; D14/52

[58] **Field of Search** ..... D14/57, 59, 60, 101, D14/57; 179/2 DD, 2 C, 2 DP, 6.12, 6.2, 2 C

[56] **References Cited**

U.S. PATENT DOCUMENTS

D. 212,692	11/1968	Plantholt	D14/57
D. 222,747	12/1971	Albrecht	D14/101
D. 222,751	12/1971	Rudin	D14/57
D. 224,317	7/1972	Marsalka et al.	D14/57
D. 239,536	4/1976	Chadeina et al.	D14/57
D. 244,035	4/1977	Ault	D14/59
D. 261,761	11/1981	Ingelser et al.	D14/101
D. 265,992	8/1982	Hirata et al.	D14/101
D. 270,834	10/1983	Genaro et al.	D14/57
3,436,474	4/1969	Saegar et al.	179/2 C
3,553,374	1/1971	Wolf et al.	D14/57
3,605,021	9/1971	Mychalowych	179/2 C
4,068,095	1/1978	Ghormley	179/2 C
4,097,691	6/1978	Ehrlich et al.	179/2 C
4,162,373	7/1979	Ingber	179/2 C
4,246,444	1/1981	Mason	179/2 C
4,340,784	7/1982	McQueen et al.	179/6.12
4,410,759	10/1983	Kessler	179/2 C

FOREIGN PATENT DOCUMENTS

58-56559	4/1983	Japan	179/2 C

OTHER PUBLICATIONS

"Port a Com", PC-8110 Comunications Terminal Set by Stelma, Subsid. of Data Products Corp., Brochure-1969.

Brochure showing Anderson Jacobson Model AD7 233, Acoustic Data Couple, pp. 2, 4.

"60 Modern" article, part 2, Radio Electronics, pp. 45, 48; Issueof July 1981.

"76 E Subset Data Terminal" Article in Teleteknik (Engl. Ed.) (Denmark) No. 1 (1979) p. 34.

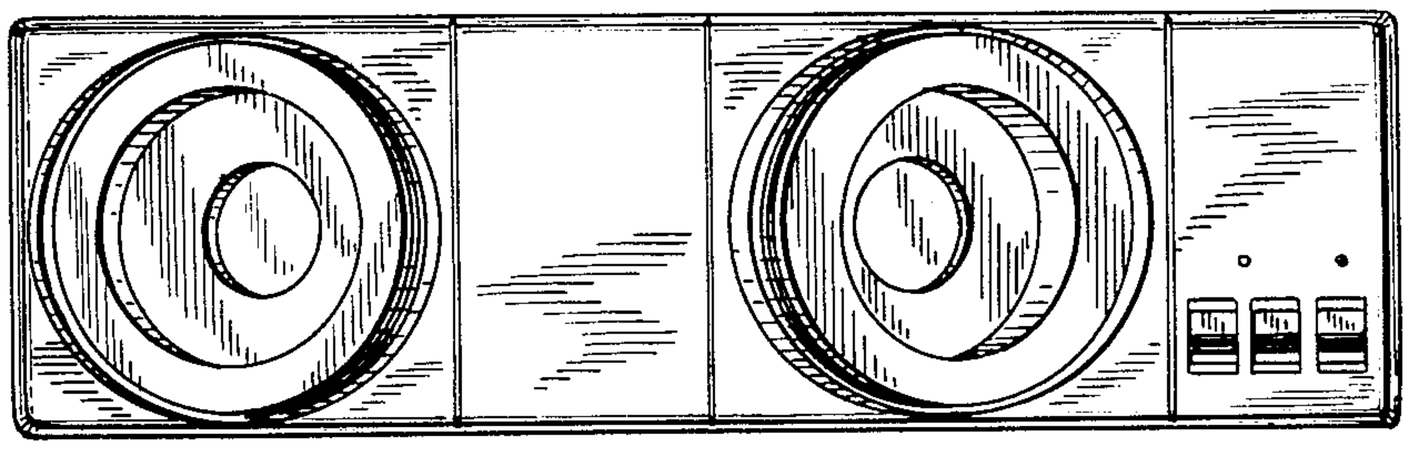
Primary Examiner—Wallace R. Burke
Assistant Examiner—Horace B. Fay
Attorney, Agent, or Firm—Blum, Kaplan, Friedman, Silberman & Beran

[57] **CLAIM**

The ornamental design for acoustically coupled modem, as shown.

DESCRIPTION

FIG. **1**—is a top plan view of acoustically coupled modem in accordance with my new design;
FIG. **2**—is a front elevational view thereof;
FIG. **3**—is a left side view thereof;
FIG. **4**—is a bottom plan view thereof;
FIG. **5**—is a rear elevational view thereof; and
FIG. **6**—is a right side view thereof.



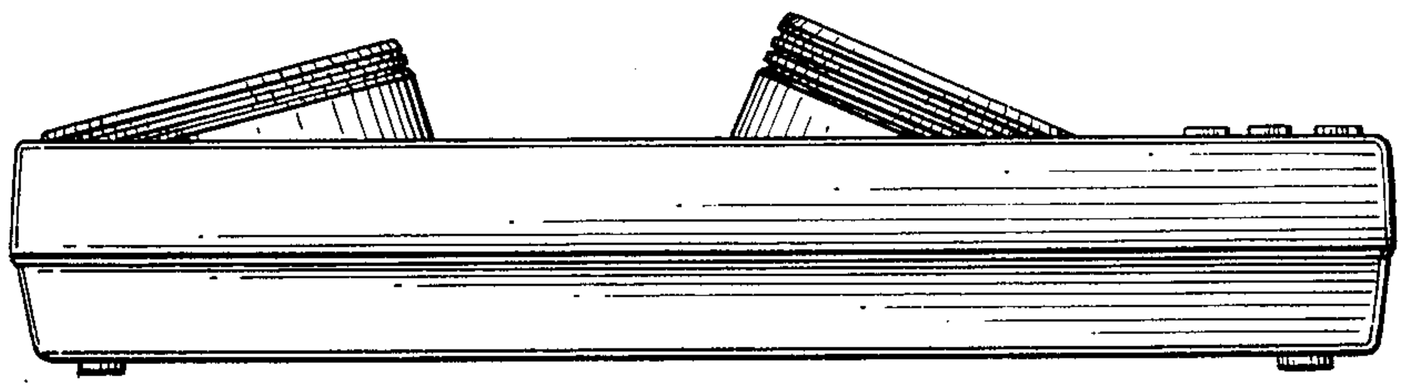
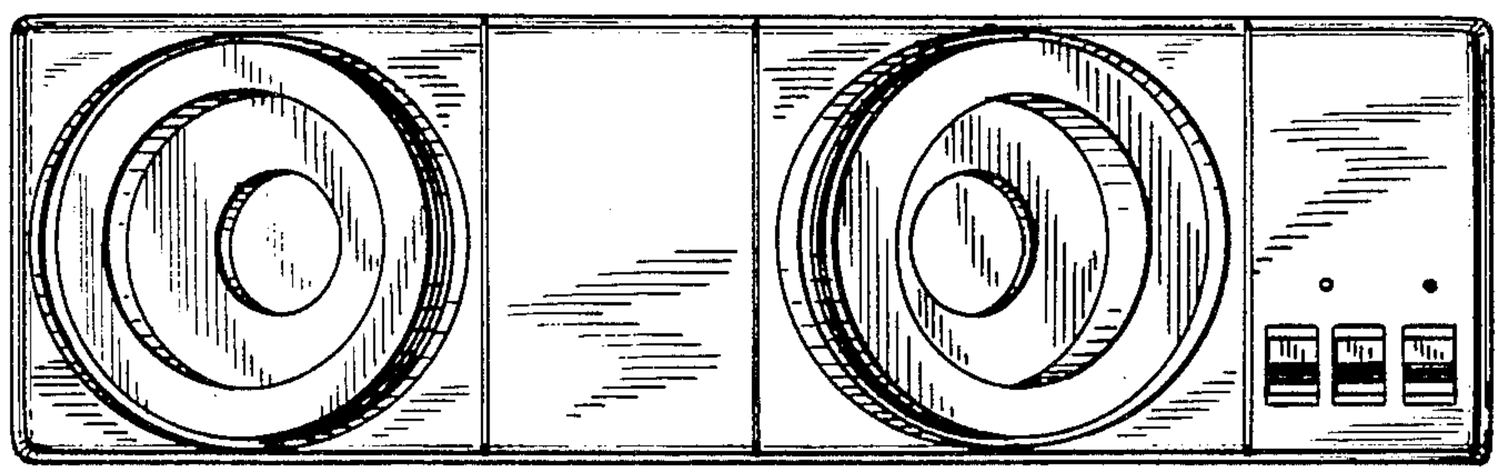


FIG. 1



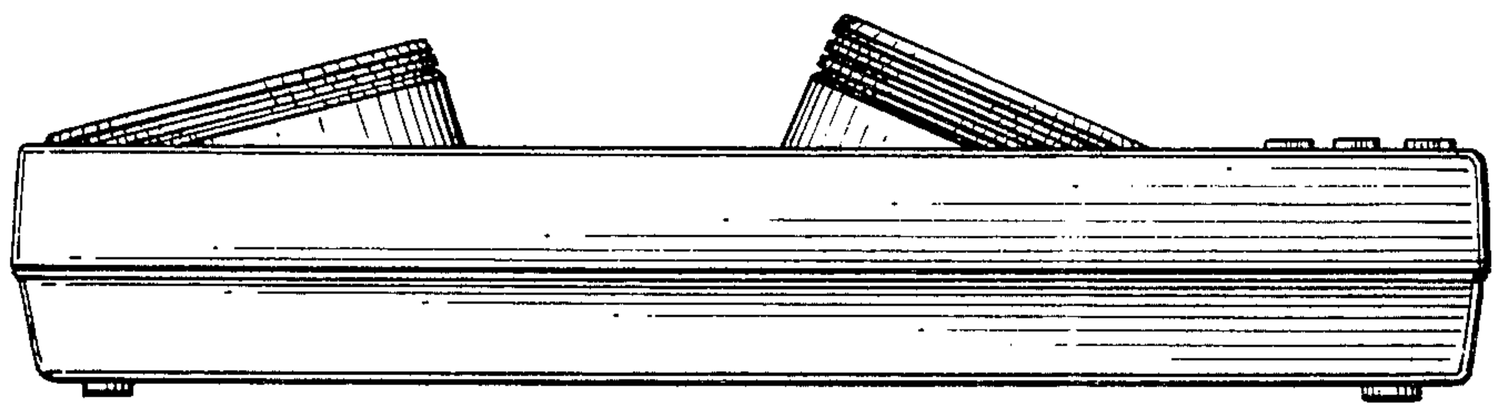


FIG. 2

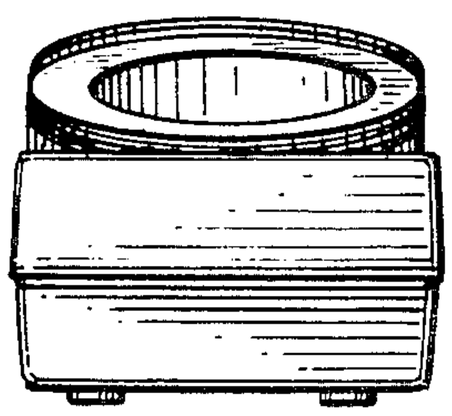


FIG. 3

FIG. 4

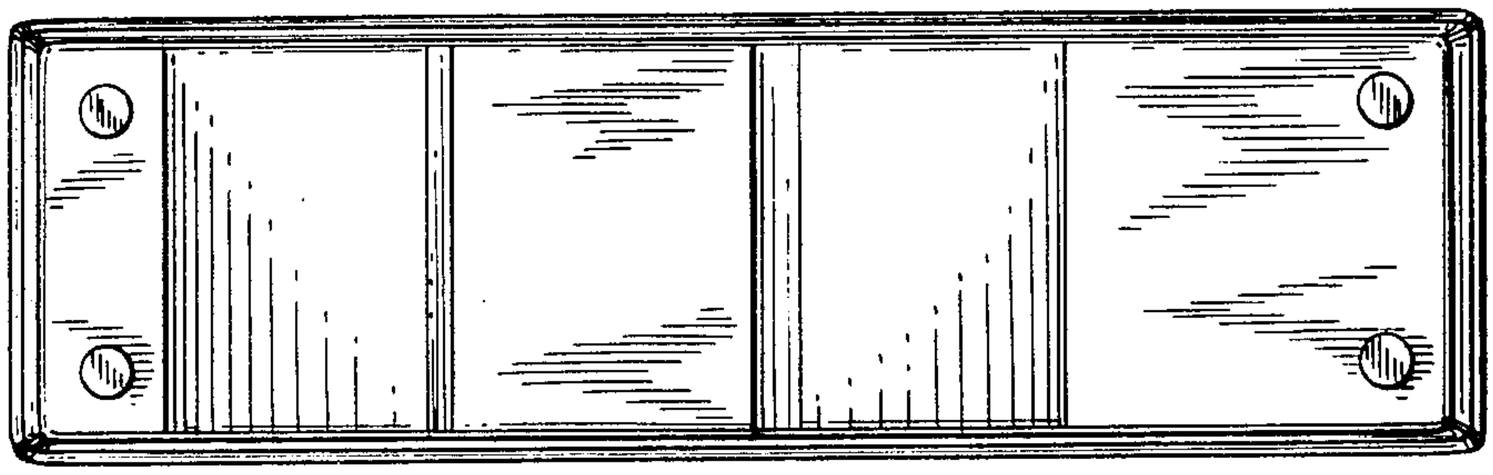
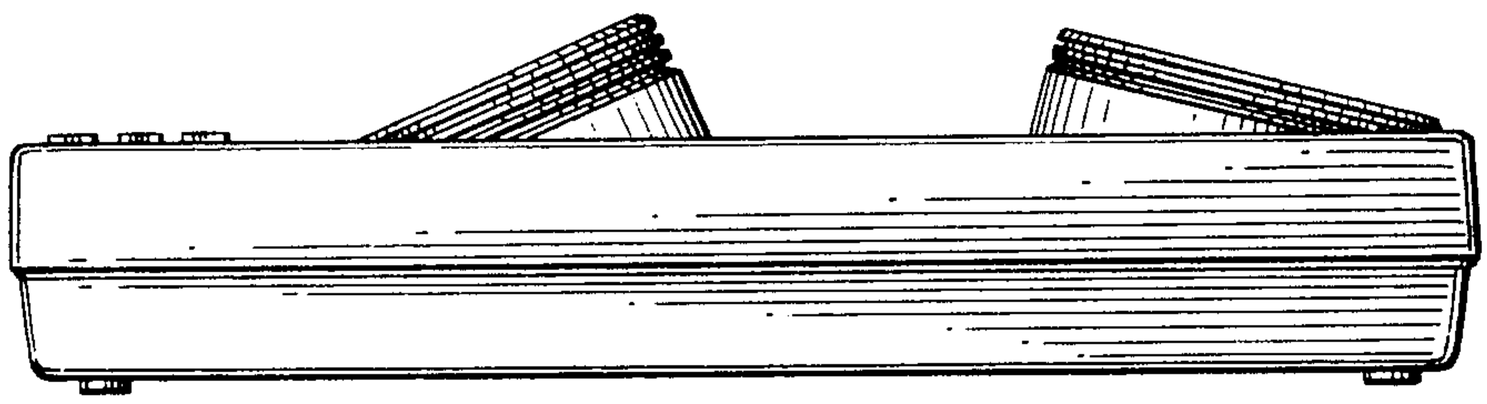


FIG. 5



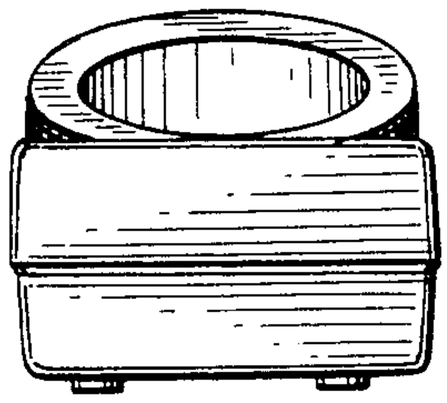


FIG. 6