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United States Patent [19]

Ogawa et al.

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[45] Date of Patent: ** Jun. 23, 1992

[54] **TRANSMITTER AND RECEIVER FOR SATELLITE COMMUNICATION SYSTEMS**

[75] Inventors: **Shigeo Ogawa; Tsuneo Shimada**, both of Tokyo, Japan

[73] Assignee: **NEC Corporation**, Tokyo, Japan

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

[21] Appl. No.: **464,080**

[22] Filed: **Jan. 12, 1990**

[30] **Foreign Application Priority Data**

Jul. 13, 1989 [JP] Japan 1-26063

[52] **U.S. Cl.** **D14/137**; D14/299

[58] **Field of Search** D14/124, 137–139, D14/157, 299; 455/73, 89–90

[56] **References Cited**

U.S. PATENT DOCUMENTS

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D. 281,601	12/1985	Liautaud et al.	D14/138
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[57] **CLAIM**

The ornamental design for a transmitter and receiver for satellite communication systems, as shown.

DESCRIPTION

FIG. **1** is a front elevational view of a transmitter and receiver for satellite communication systems showing our new design;
FIG. **2** is a rear elevational view thereof;
FIG. **3** is a right side elevational view thereof;
FIG. **4** is a left side elevational view thereof;
FIG. **5** is a top plan view thereof;
FIG. **6** is a bottom plan view thereof; and,
FIG. **7** is a front, top and right side perspective view thereof.

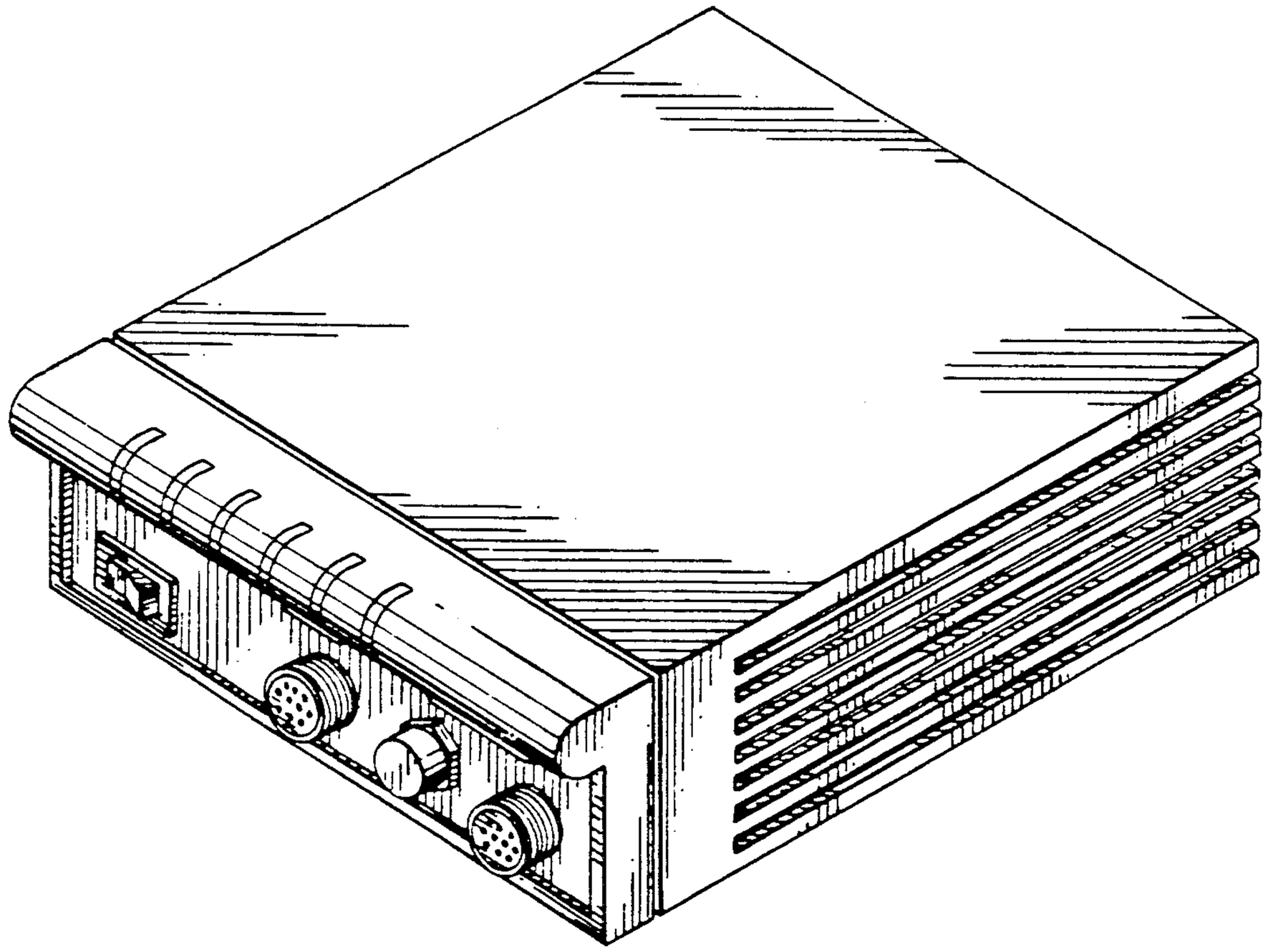

FIG. 1

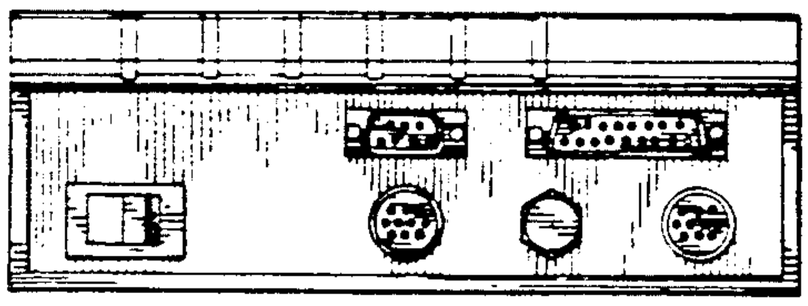

FIG. 2

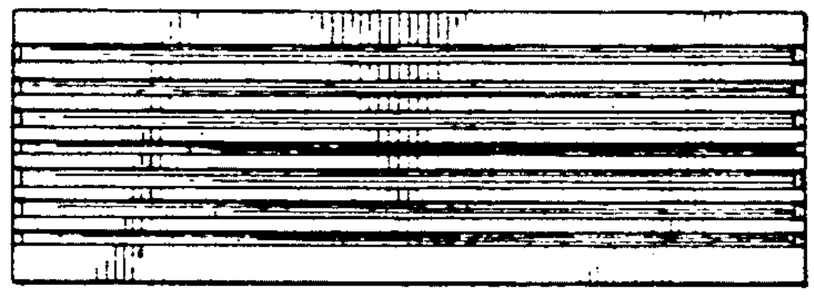

FIG. 5

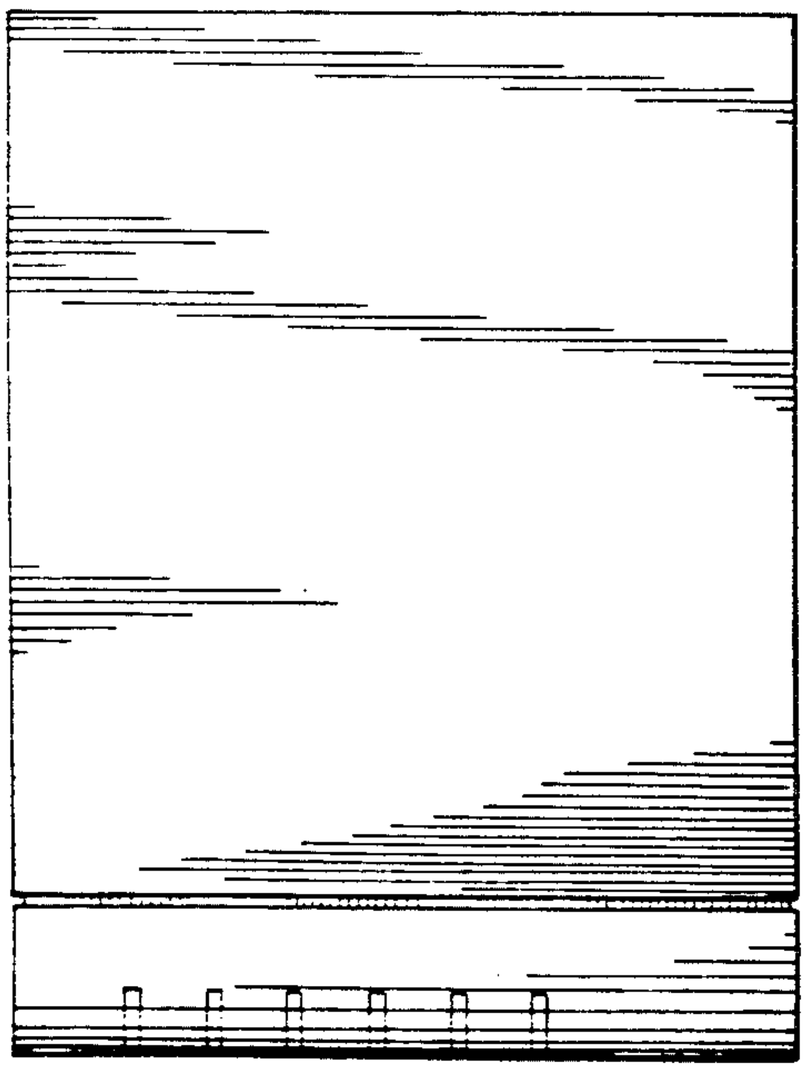

FIG. 6

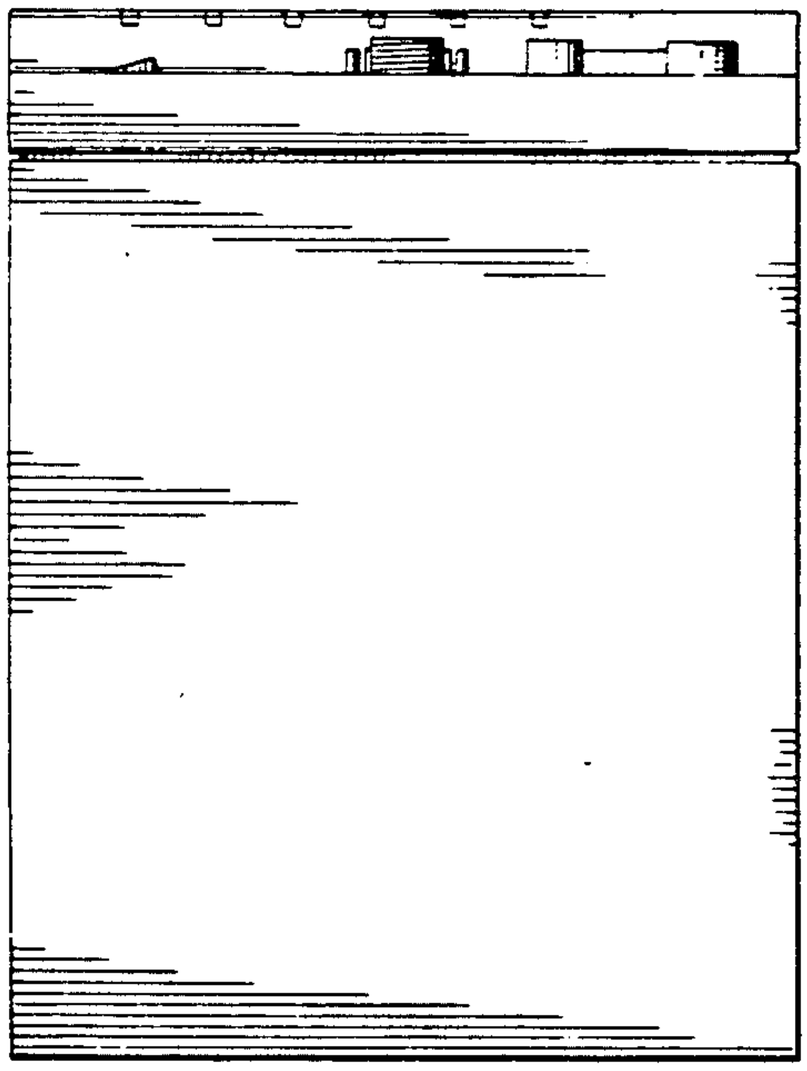

FIG.3

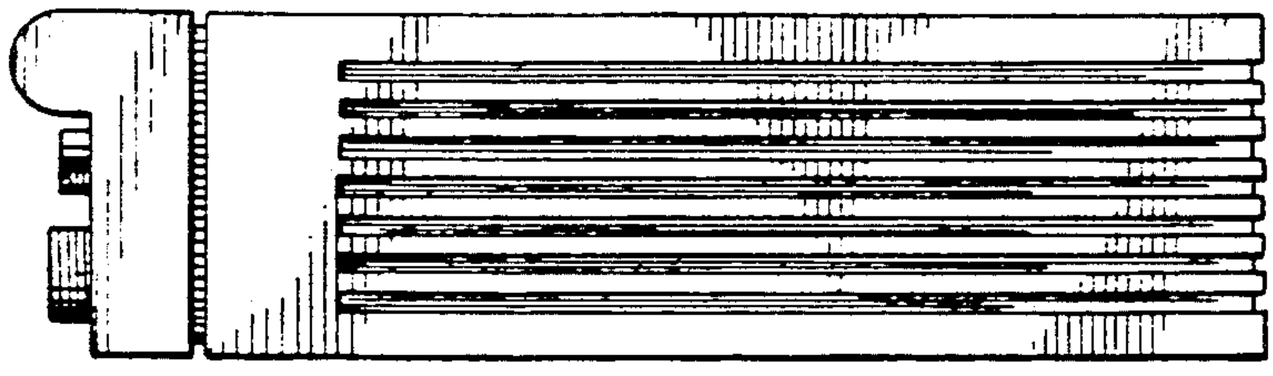

FIG.4

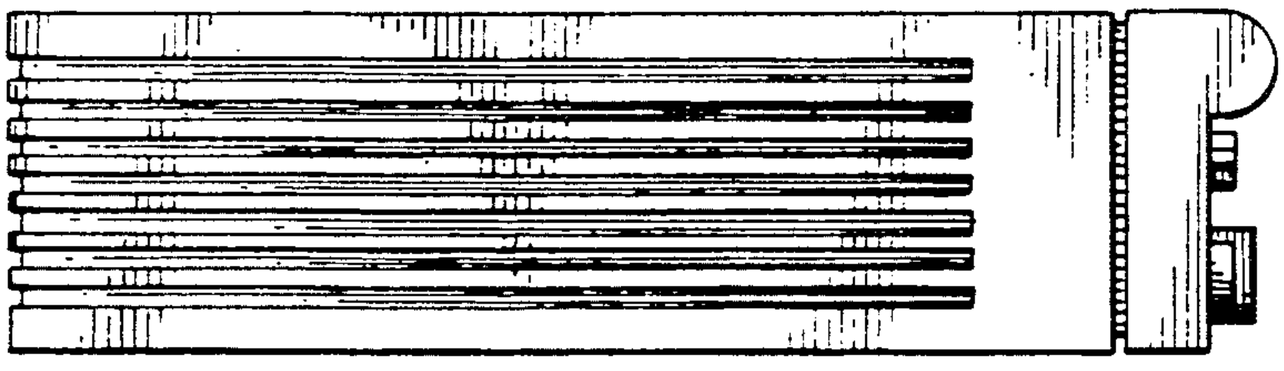

FIG.7