US00D353597S

United States Patent [19]

Minowa et al.

[11] **Patent Number: Des. 353,597**

[45] **Date of Patent: ** Dec. 20, 1994**

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

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

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

[21] Appl. No.: **666,537**

[22] Filed: **Mar. 8, 1991**

[30] **Foreign Application Priority Data**

Sep. 11, 1990 [JP] Japan 2-30561

[52] **U.S. Cl.** **D14/231;** D14/230

[58] **Field of Search** 343/786; D14/230–239; H01Q 13/000, 13/020

[56] **References Cited**

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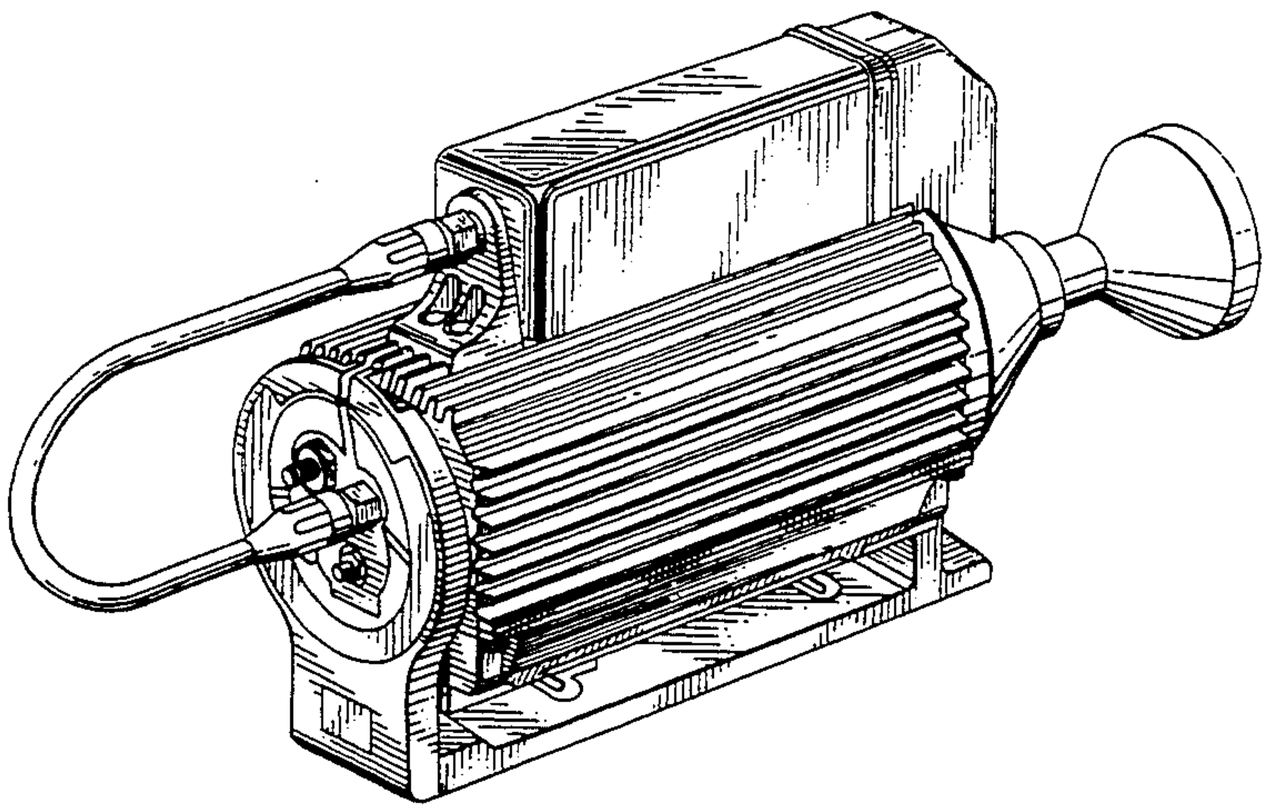
[57] **CLAIM**

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

DESCRIPTION

FIG. **1** is a front, top and left side perspective view of a combined transmitter and receiver for satellite communication systems showing our new design;
FIG. **2** is a rear, top and right side perspective view thereof;
FIG. **3** is a right side elevational view thereof;
FIG. **4** is a top plan view thereof;
FIG. **5** is a left side elevational view thereof;
FIG. **6** is a front elevational view thereof;
FIG. **7** is a bottom plan view thereof; and,
FIG. **8** is a rear elevational view thereof.



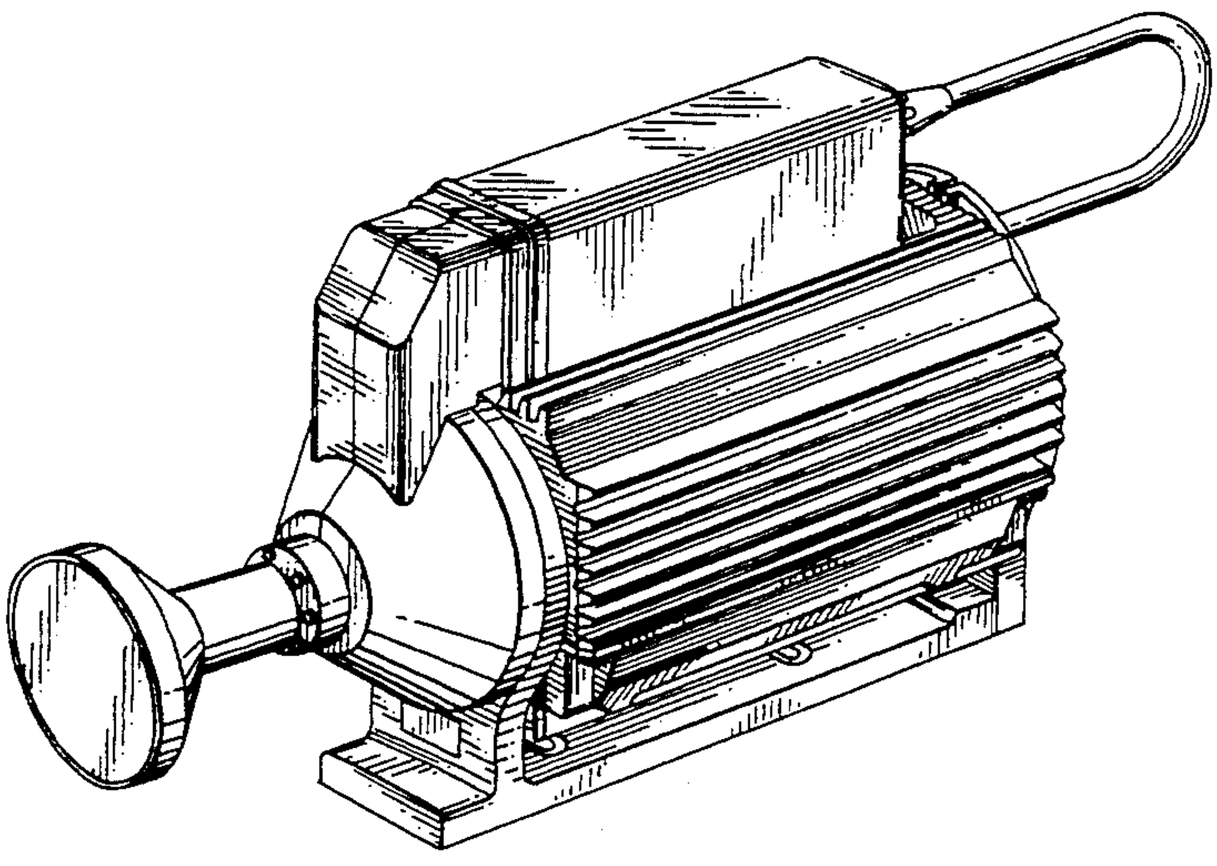


FIG. 1

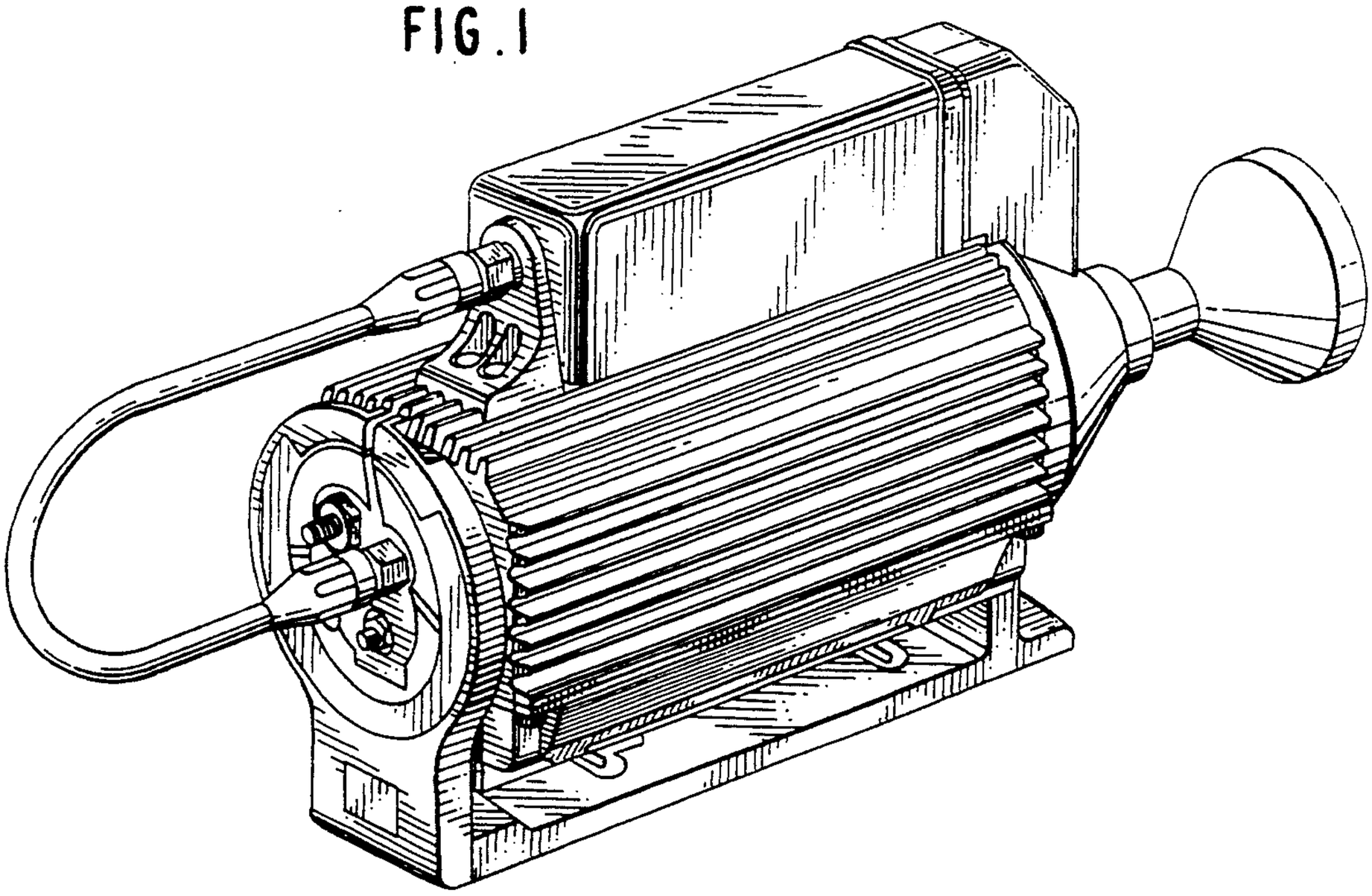


FIG. 2

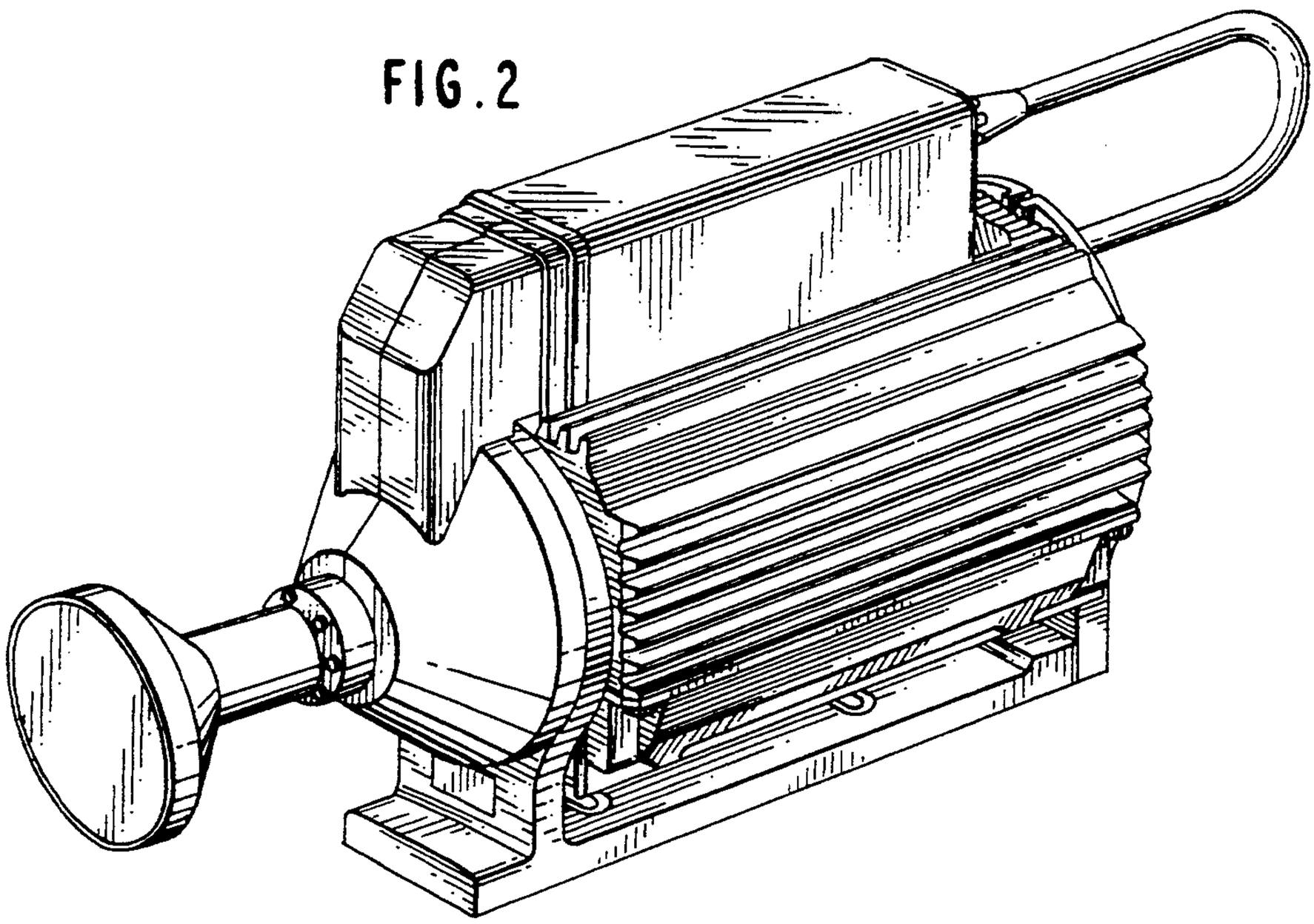


FIG. 3

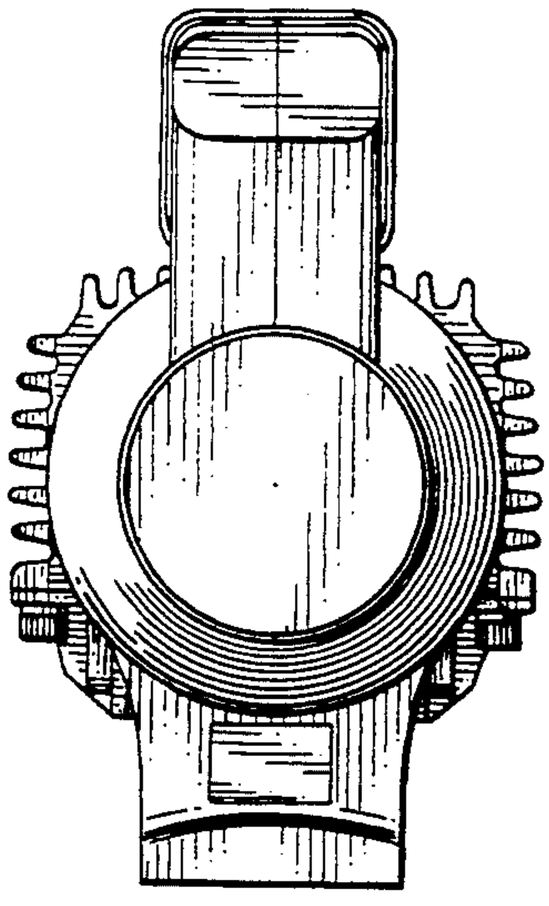


FIG. 4

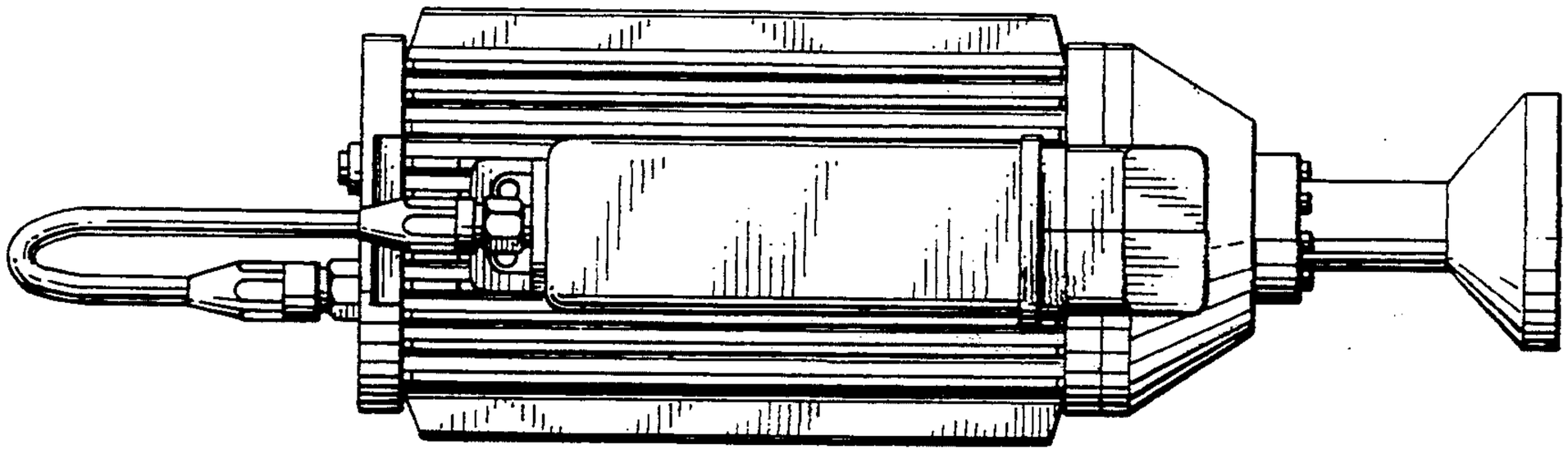


FIG. 5

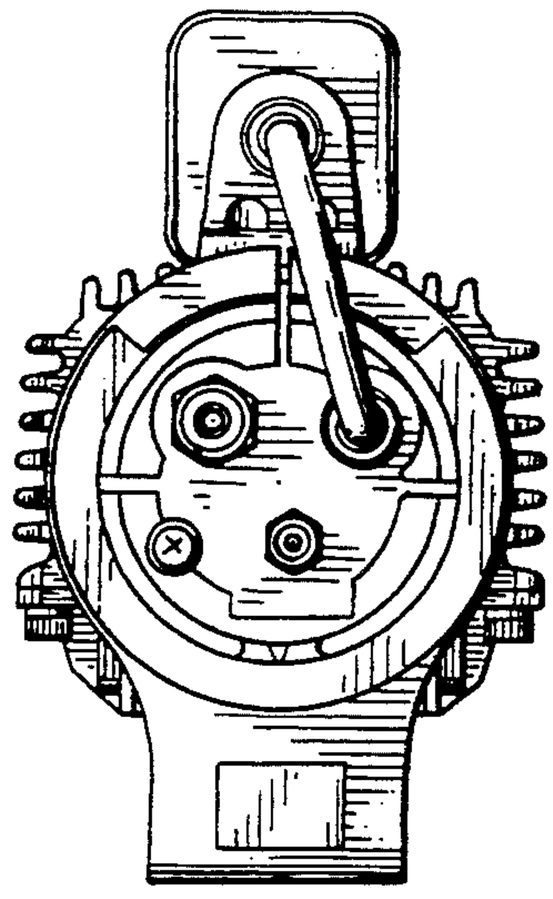


FIG.6

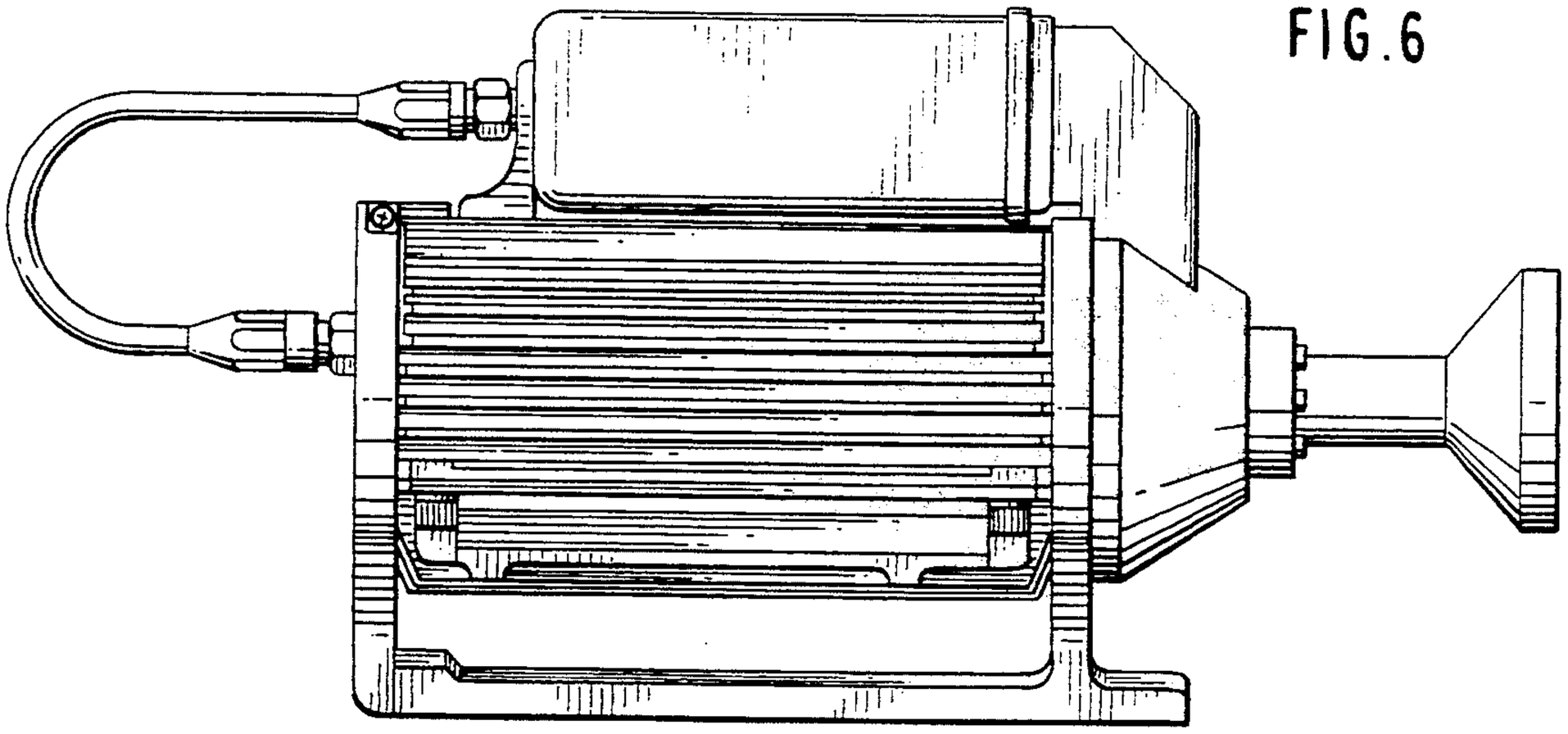


FIG.7

FIG.8