United States Patent [19]

Iwata et al.

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[45] **Date of Patent: ** Jun. 18, 1991**

[54] **FLUORESCENT DISPLAY TUBE FOR LARGE SCREEN VIDEO MATRIX ARRAY**

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[73] Assignee: **Mitsubishi Denki Kabushiki Kaisha,** Tokyo, Japan

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

[21] Appl. No.: **428,046**

[22] Filed: **Oct. 27, 1989**

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 917,366, Oct. 9, 1986, abandoned, and a continuation-in-part of Ser. No. 917,367, Oct. 9, 1986, abandoned.

[30] **Foreign Application Priority Data**

Apr. 18, 1986 [JP] Japan 61-14571
Apr. 18, 1986 [JP] Japan 61-14575

[52] **U.S. Cl.** **D26/1;** D26/3

[58] **Field of Search** ..... D26/1, 2, 3; 313/315, 313/318, 493, 579, 634, 461, 364–384, 467, 470, 477 R, 404, 406, 407, 411

[56] **References Cited**

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"A Large-Screen Display Using Fluorescent Display Tubes"; Tatsuo Fukuda et al.; Technical Report of Television Associates; Feb. 1986; ED922 IPD104–6; pp. 31–35.

Primary Examiner—Susan J. Lucas
Attorney, Agent, or Firm—Wenderoth, Lind & Ponack

[57] **CLAIM**

The ornamental design for a fluorescent display tube for large screen video matrix array, as shown and described.

DESCRIPTION

FIG. **1** is a front elevational view of a fluorescent display tube for large screen video matrix array, showing one embodiment of 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;
FIG. **7** is a cross-sectional view thereof as taken along line 7—7 of FIG. **1,** all inner mechanisms being omitted;
FIG. **8** is a cross-sectional view thereof as taken along line 8—8 of FIG. **1,** all inner mechanisms being omitted;
FIG. **9** is a front elevational view of a fluorescent display tube for large screen video matrix array, showing a second embodiment of our new design;
FIG. **10** is a rear elevational view thereof;
FIG. **11** is a right side elevational view thereof;
FIG. **12** is a left side elevational view thereof;
FIG. **13** is a top plan view thereof;
FIG. **14** is a bottom plan view thereof;
FIG. **15** is a cross-sectional view thereof as taken along line **15—15** of FIG. **9,** all inner mechanisms being omitted; and
FIG. **16** is a cross-sectional view thereof as taken along line **16—16** of FIG. **9,** all inner mechanisms being omitted.

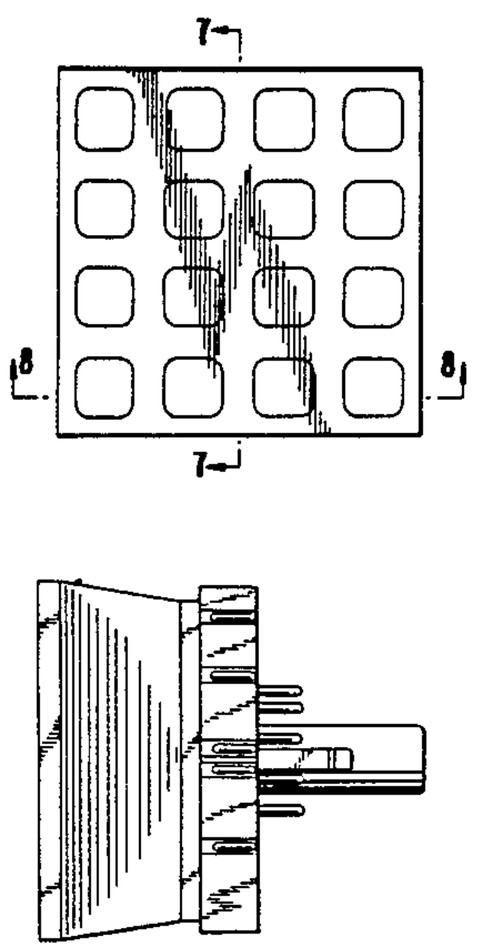

FIG. 1

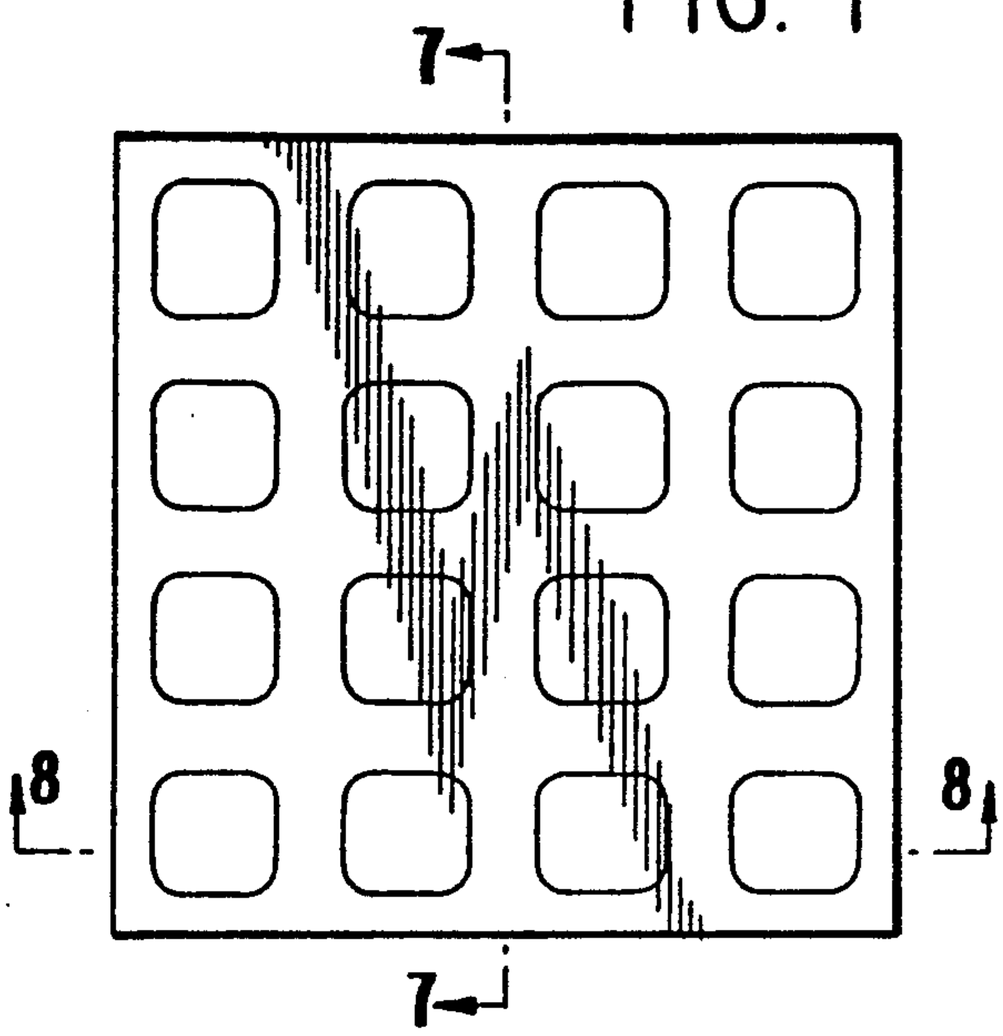

FIG. 2

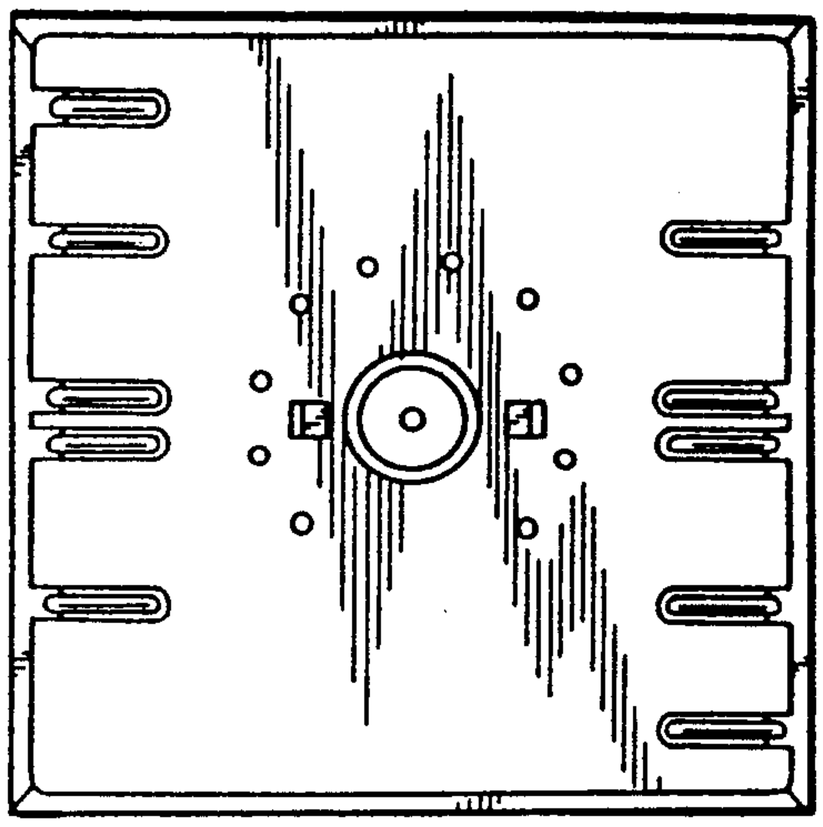

FIG. 3

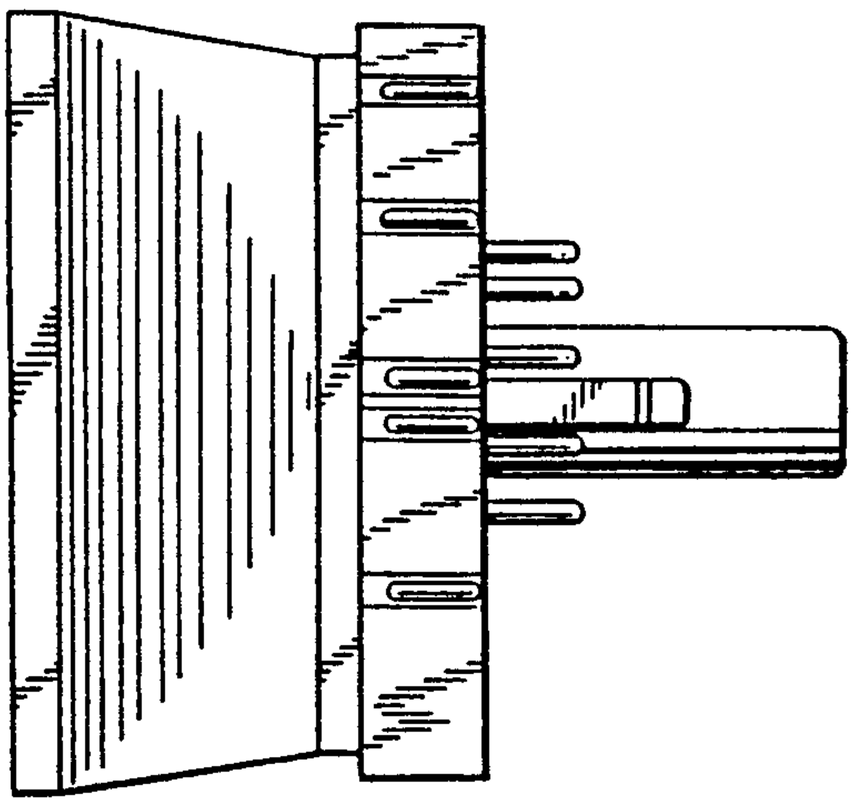

FIG. 4

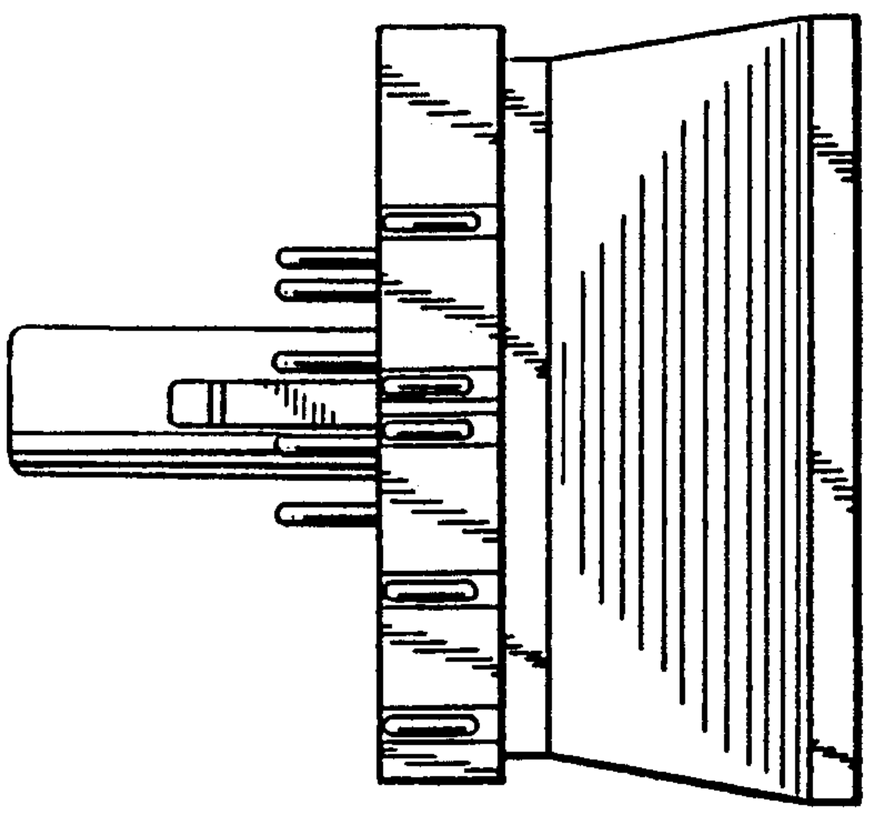

FIG. 5

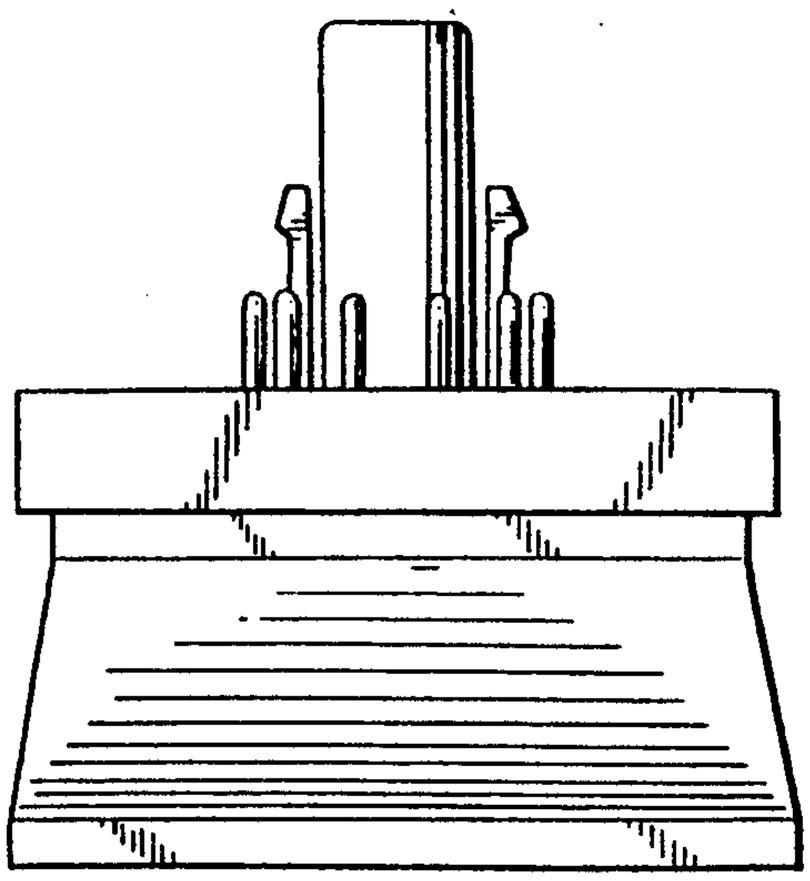

FIG. 6

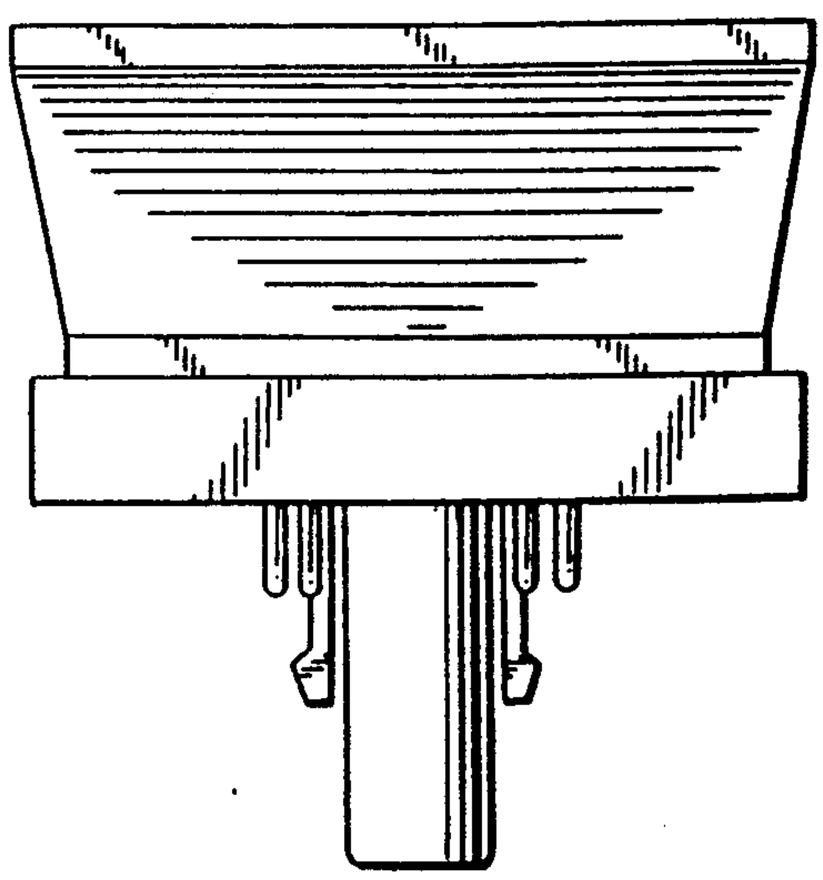

FIG. 7

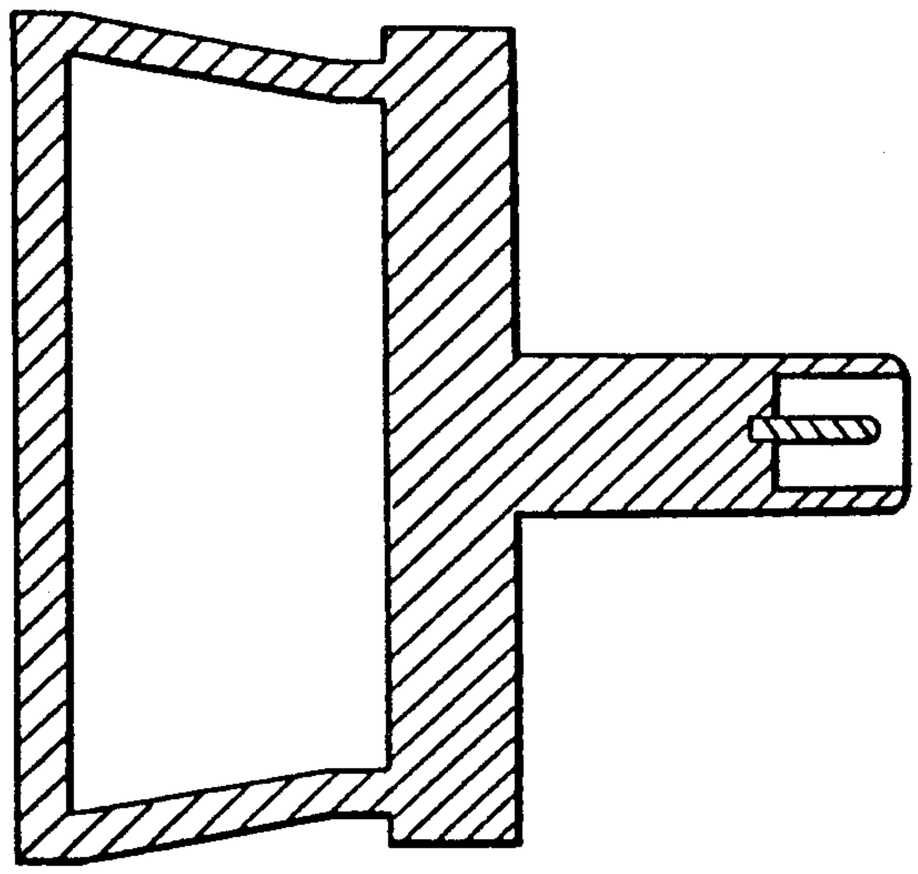

FIG. 8

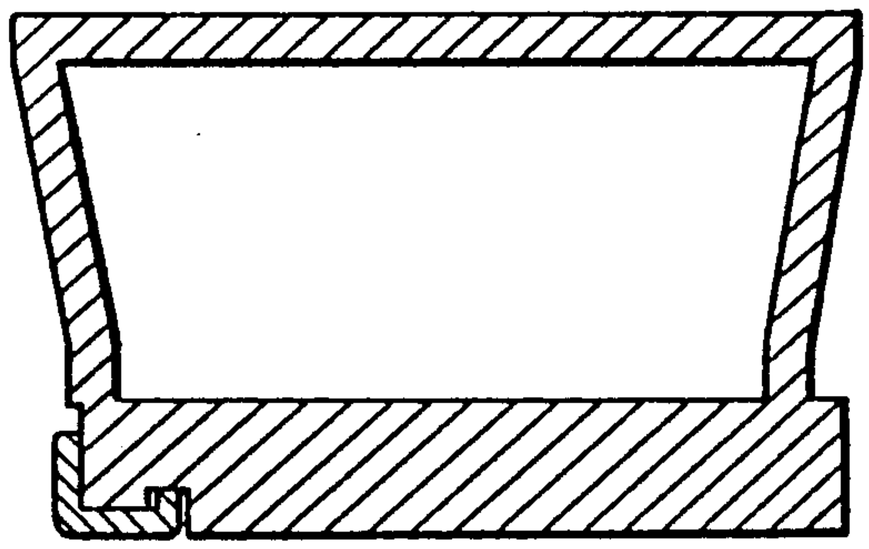

FIG. 9

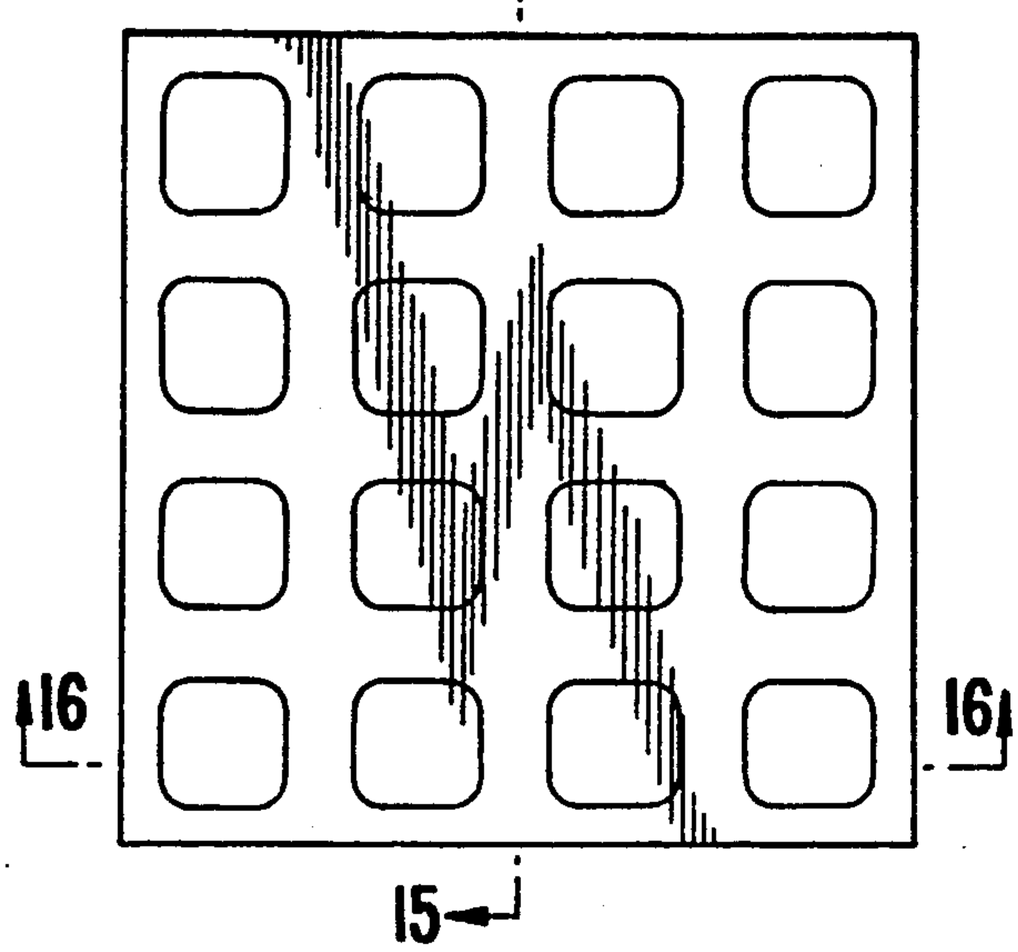

FIG. 10

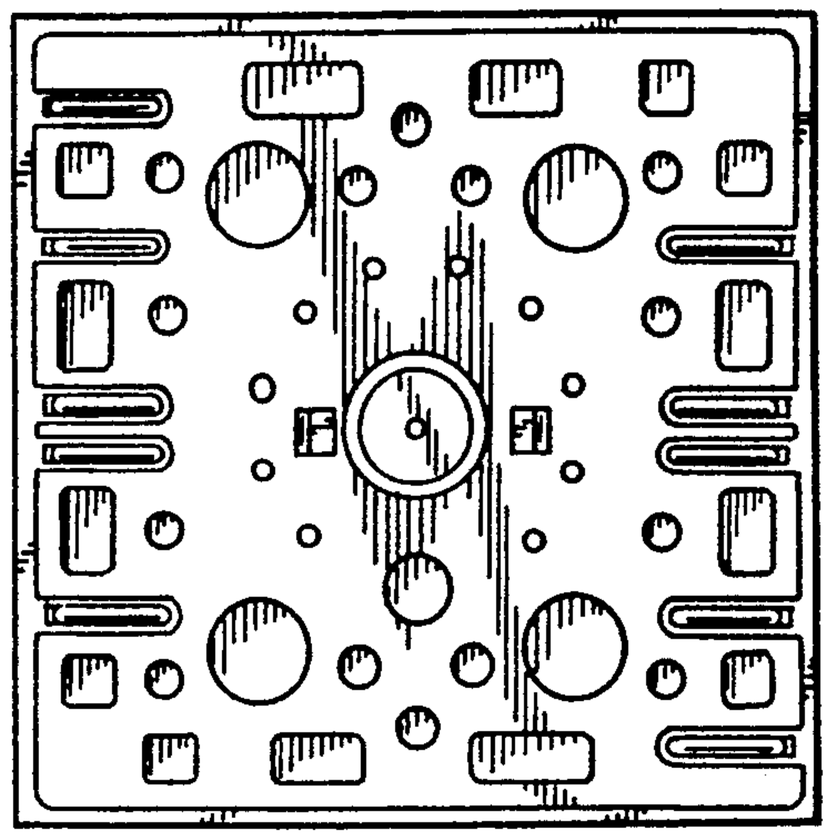

FIG. 11

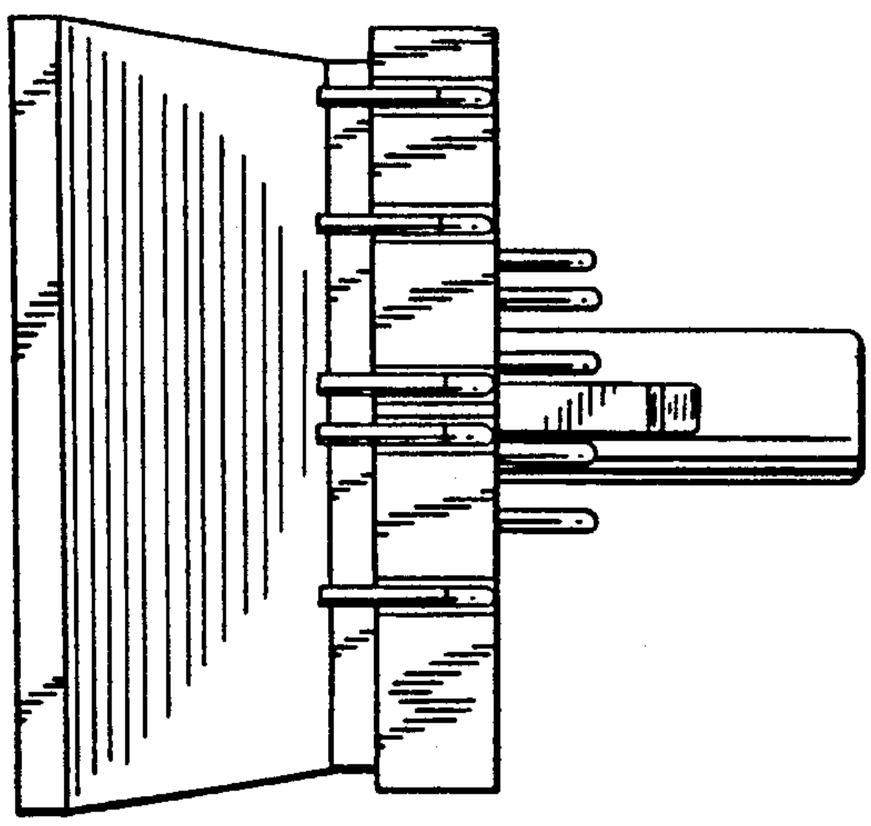

FIG. 12

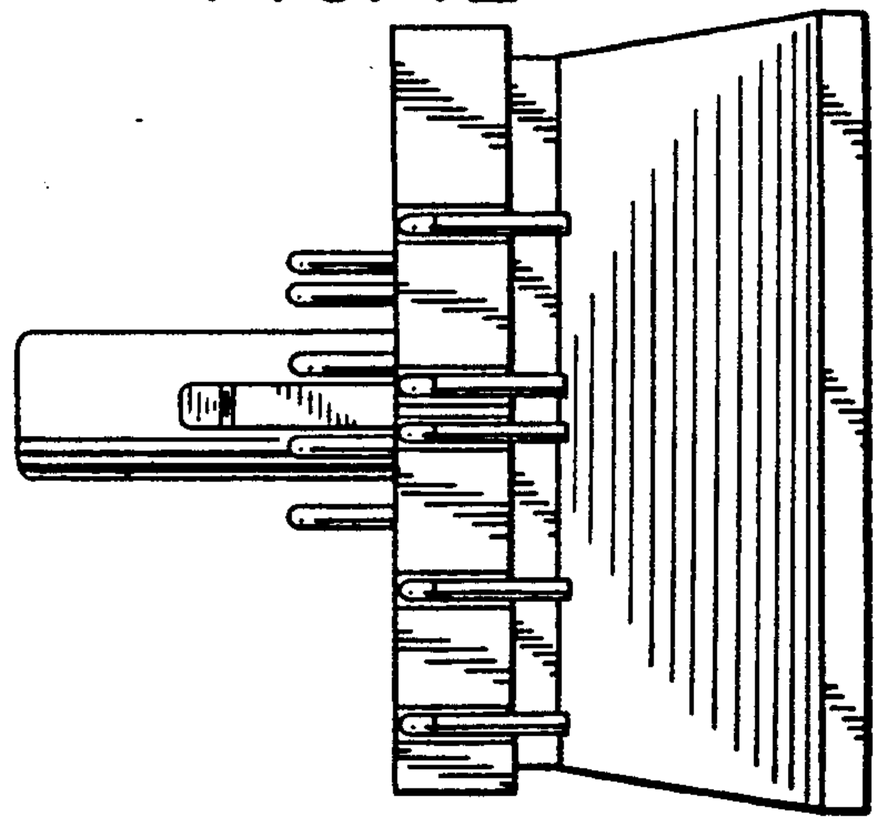

FIG. 13

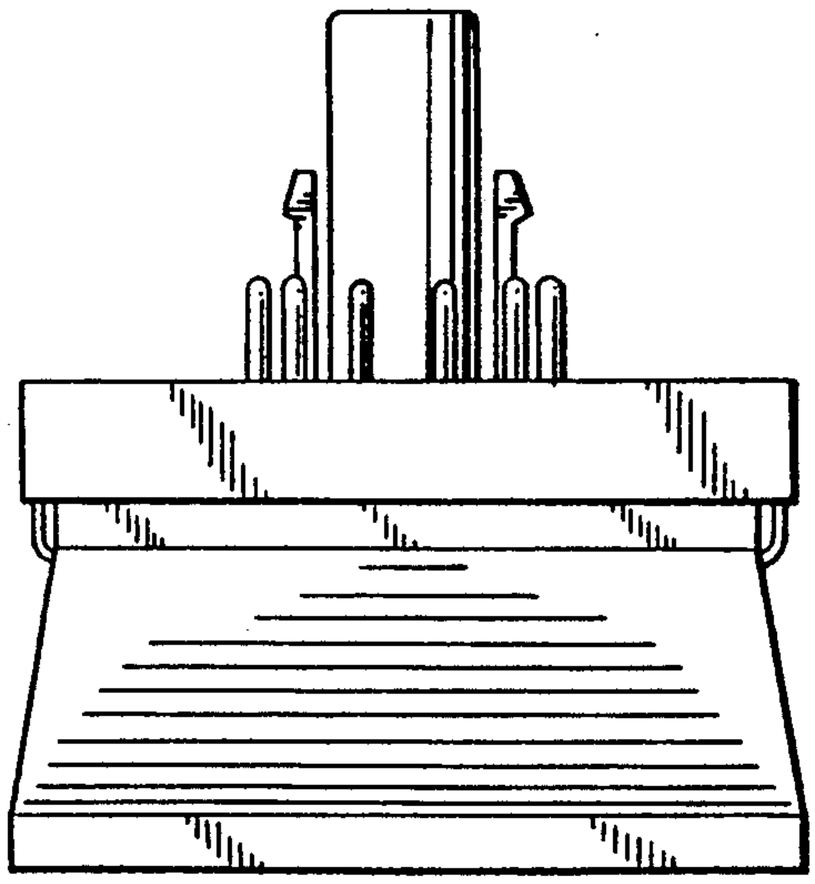

FIG. 14

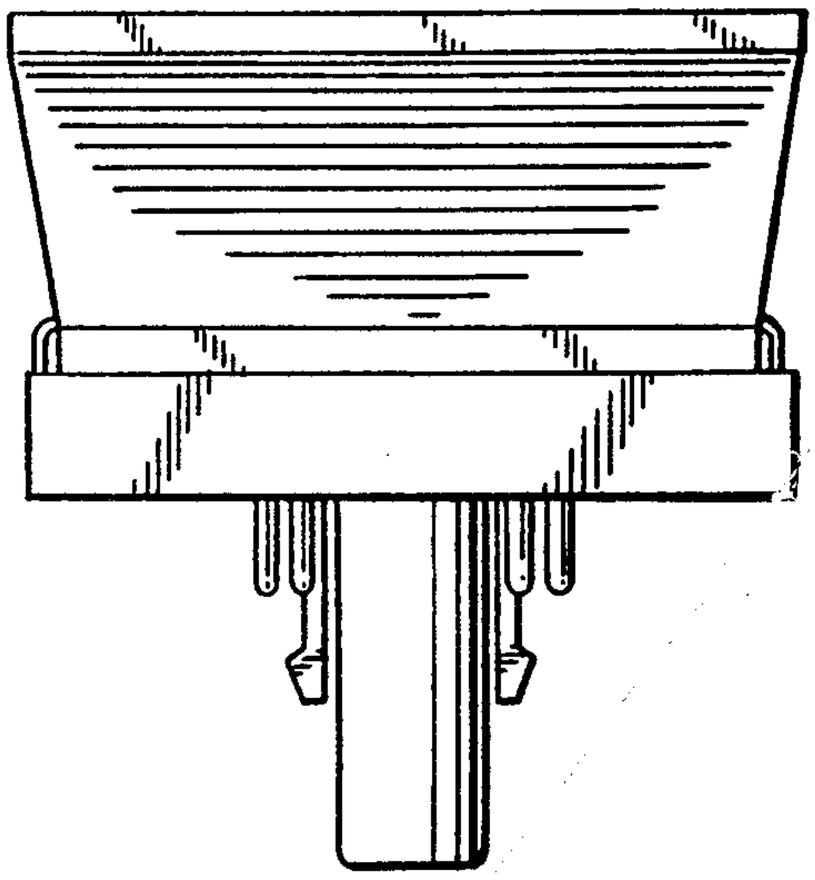

FIG. 15

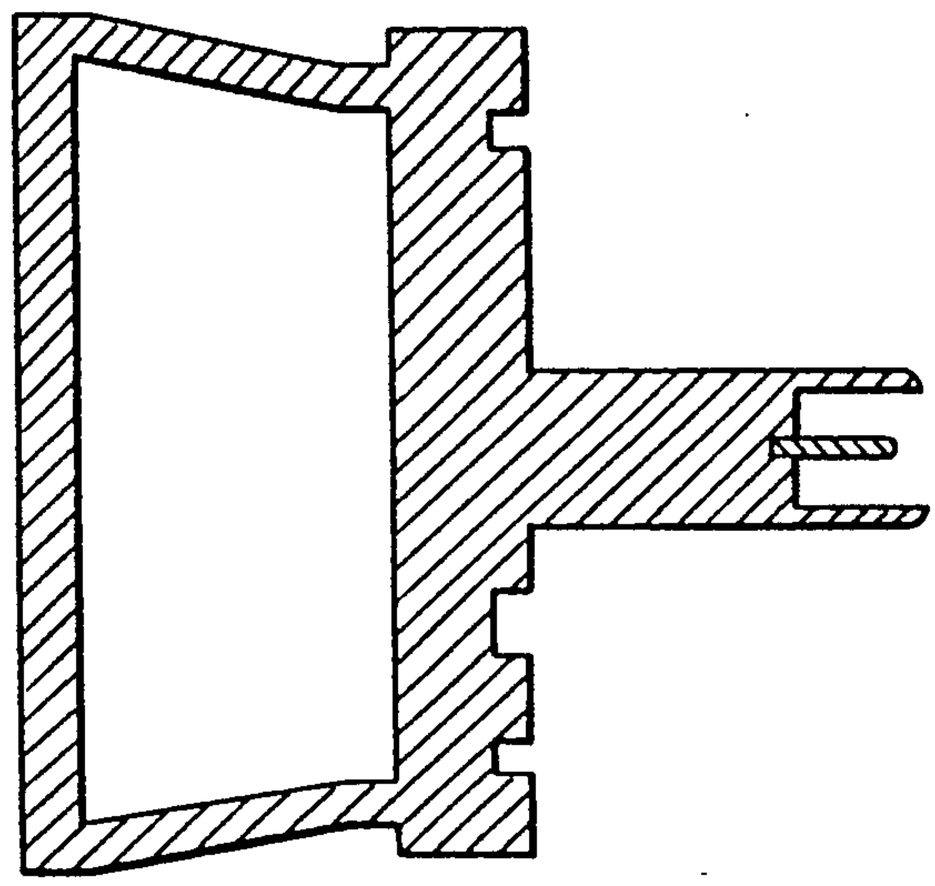

FIG. 16