



US00D368917S

United States Patent [19]

[11] Patent Number: Des. 368,917

Isshiki et al.

[45] Date of Patent: **Apr. 16, 1996

[54] **NUMERICALLY CONTROLLED LATHE**

[57] **CLAIM**

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The original design for a numerically controlled lathe, as shown and described.

[73] Assignee: **Yamazaki Mazak Kabushiki Kaisha**, Aichi, Japan

DESCRIPTION

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

FIG. 1 is a perspective view of the numerically controlled lathe;

[21] Appl. No.: **35,933**

FIG. 2 is a top plan view of the numerically controlled lathe;

[22] Filed: **Mar. 9, 1995**

FIG. 3 is a front plan view of the numerically controlled lathe;

[30] **Foreign Application Priority Data**

FIG. 4 is a left plan view of the numerically controlled lathe;

Sep. 9, 1994 [JP] Japan 6-27197

FIG. 5 is a right plan view of the numerically controlled lathe;

[52] U.S. Cl. **D15/130**

FIG. 6 is a bottom plan view of the numerically controlled lathe;

[58] Field of Search D15/130; 29/27 C, 29/37 A, 39; 82/117-135, 143, 152, 170, 1.11; 364/474.11, 474.14, 474.23, 474.28, 474.31, 474.35, 180

FIG. 7 is a rear plan view of the numerically controlled lathe;

FIG. 8 is a perspective view of the another embodiment of the numerically controlled lathe of the present invention;

FIG. 9 is a top plan view of another embodiment of FIG. 8;

FIG. 10 is a front plan view of another embodiment of FIG. 8;

[56] **References Cited**

U.S. PATENT DOCUMENTS

D. 252,575	8/1979	Simmons	D15/130
D. 265,204	5/1982	Turchan et al.	D15/130
D. 338,476	8/1993	Greenall et al.	D15/130
5,127,291	7/1992	Lothammer	82/120

FIG. 11 is a left plan view of another embodiment of FIG. 8;

FIG. 12 is a right plan view of another embodiment of FIG. 8;

FIG. 13 is a bottom plan view of another embodiment of FIG. 8; and,

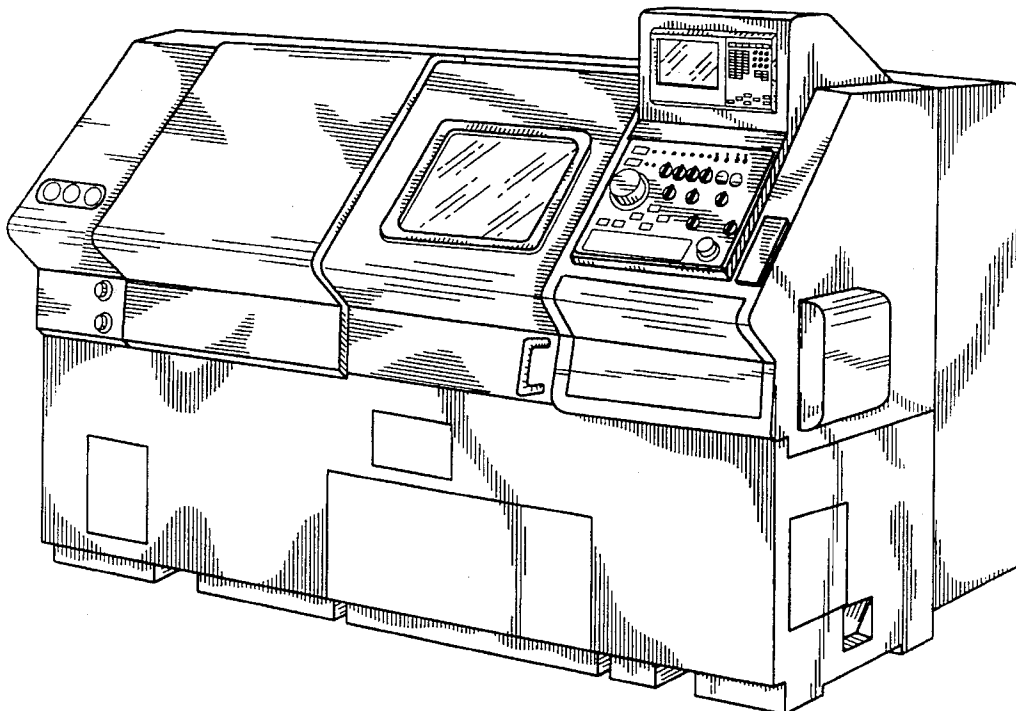
FIG. 14 is a rear plan view of another embodiment of FIG. 8.

OTHER PUBLICATIONS

Nakamura Tome; TW-20 Lathe; Oct. 1990; cover page.

Primary Examiner—Antoine Duval Davis
Attorney, Agent, or Firm—Beveridge, DeGrandi, Weilacher & Young

1 Claim, 8 Drawing Sheets



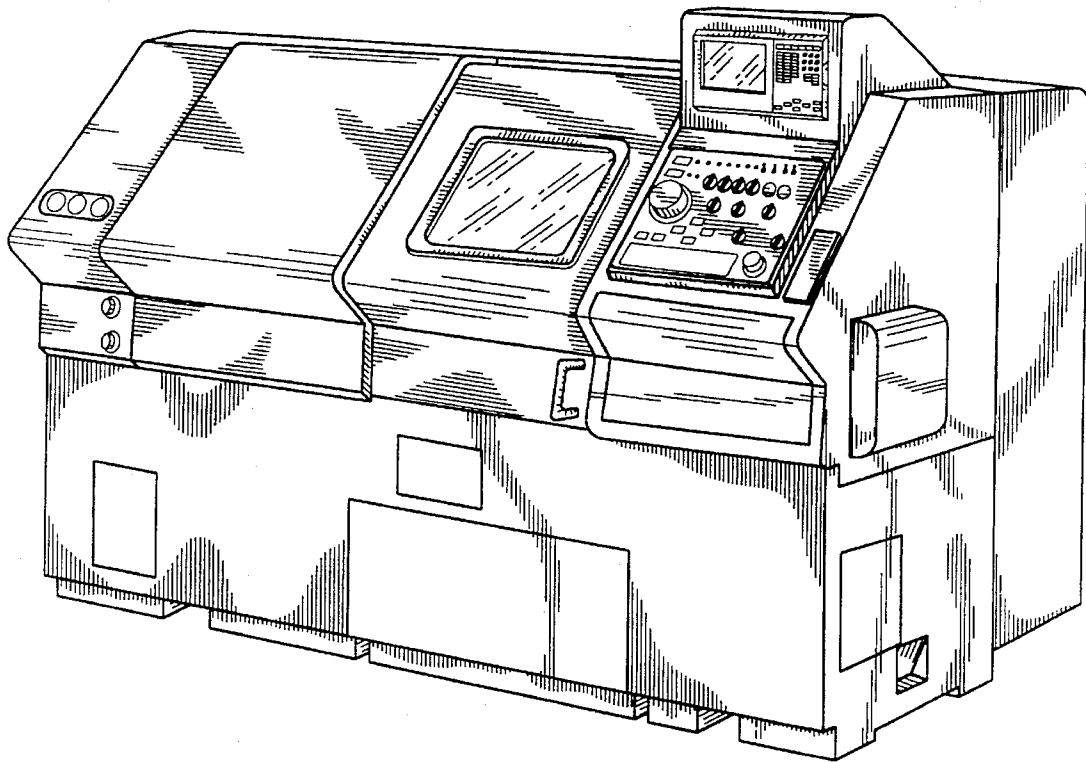


FIG.1

FIG.2

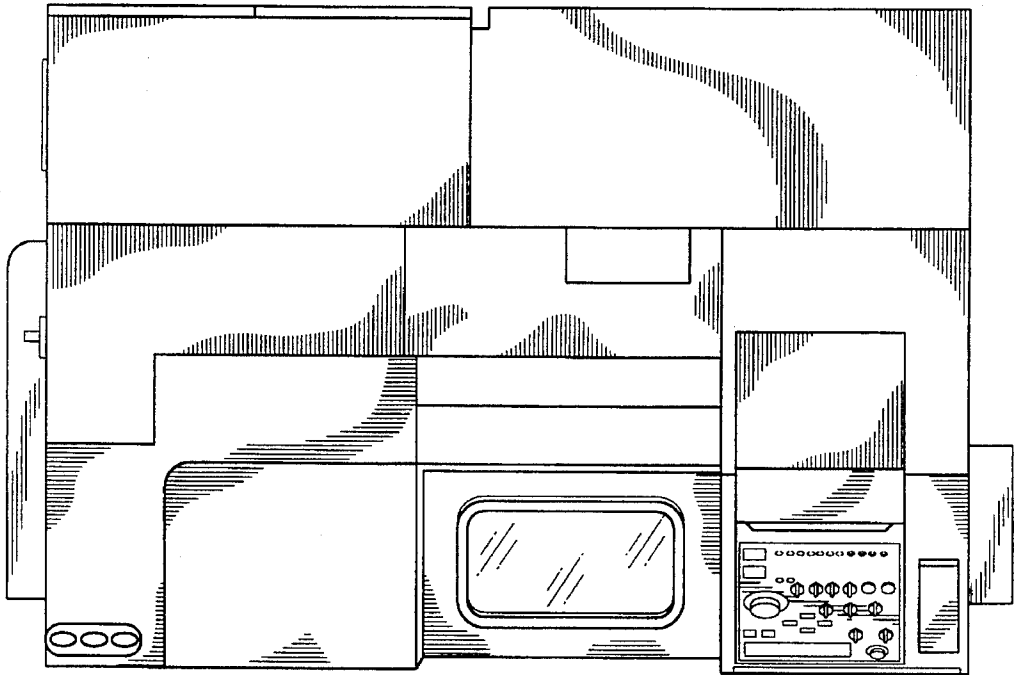


FIG.3

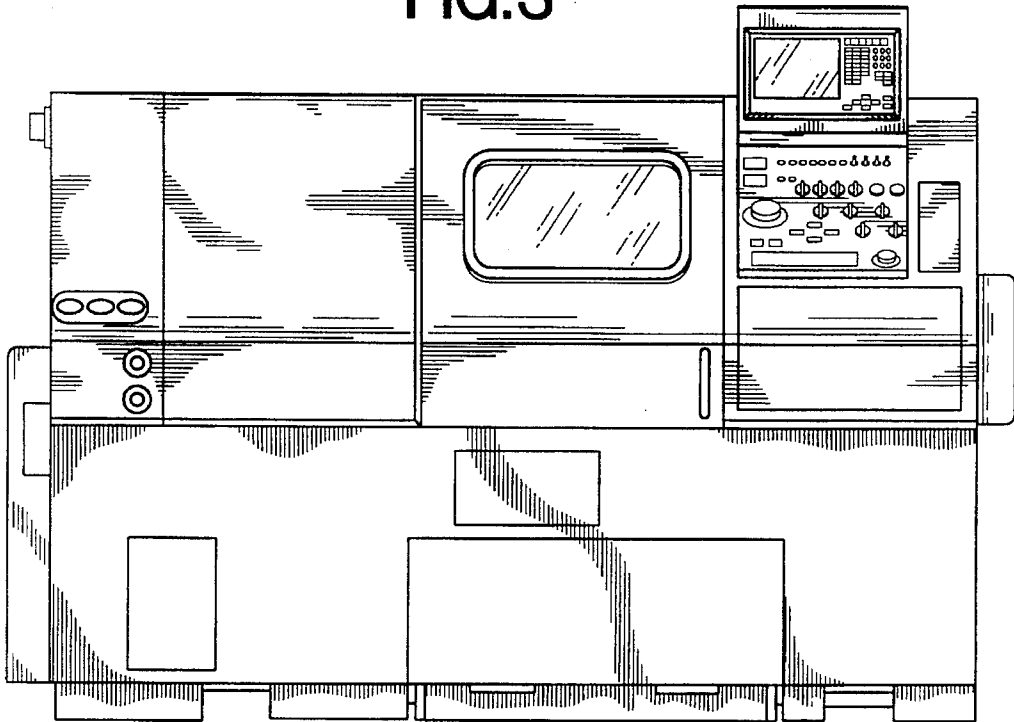


FIG.4

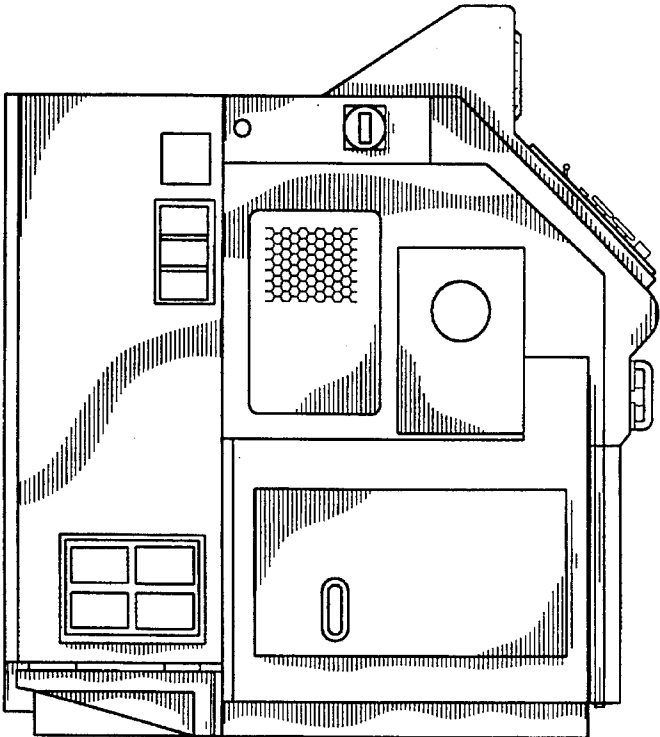


FIG.5

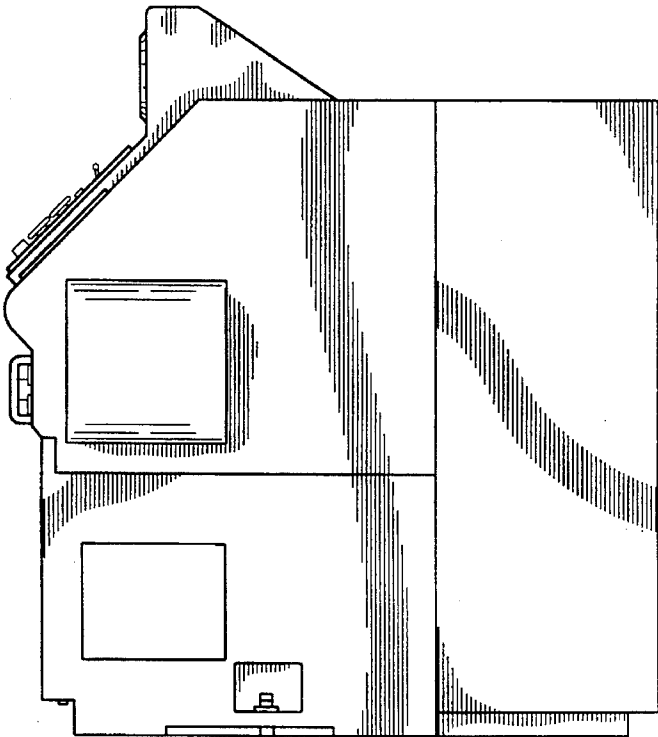


FIG.6

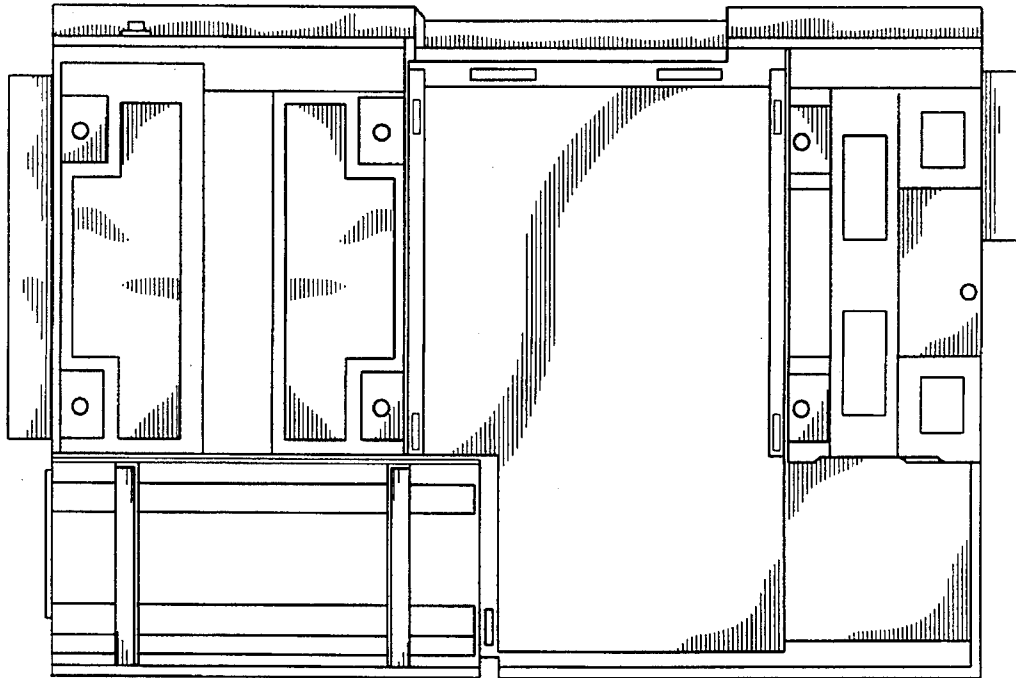
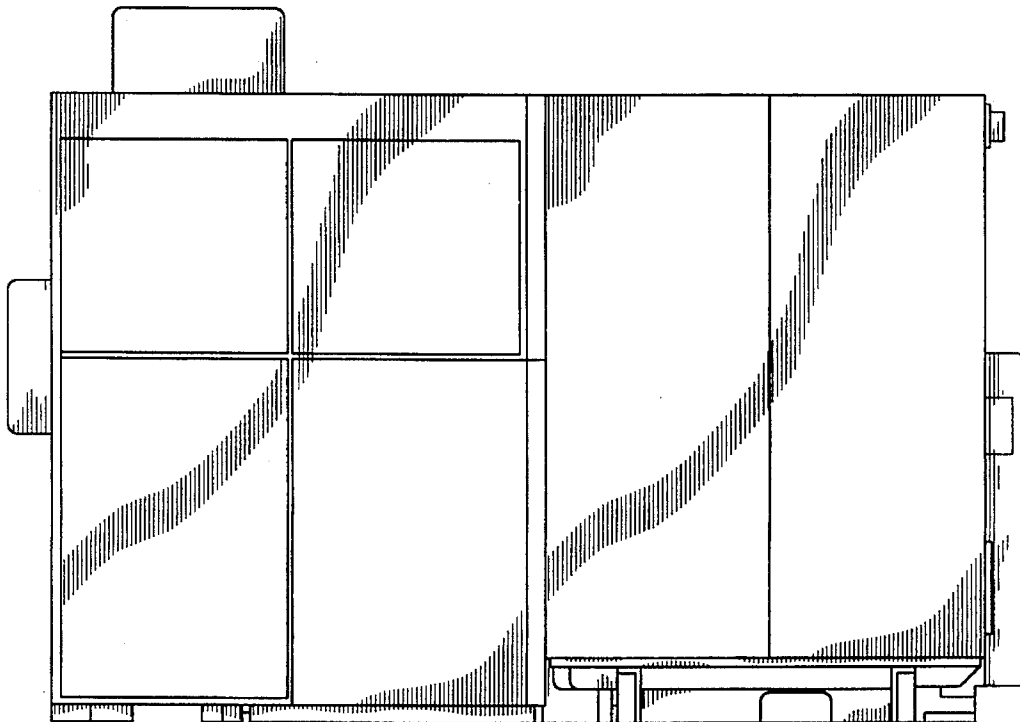


FIG.7



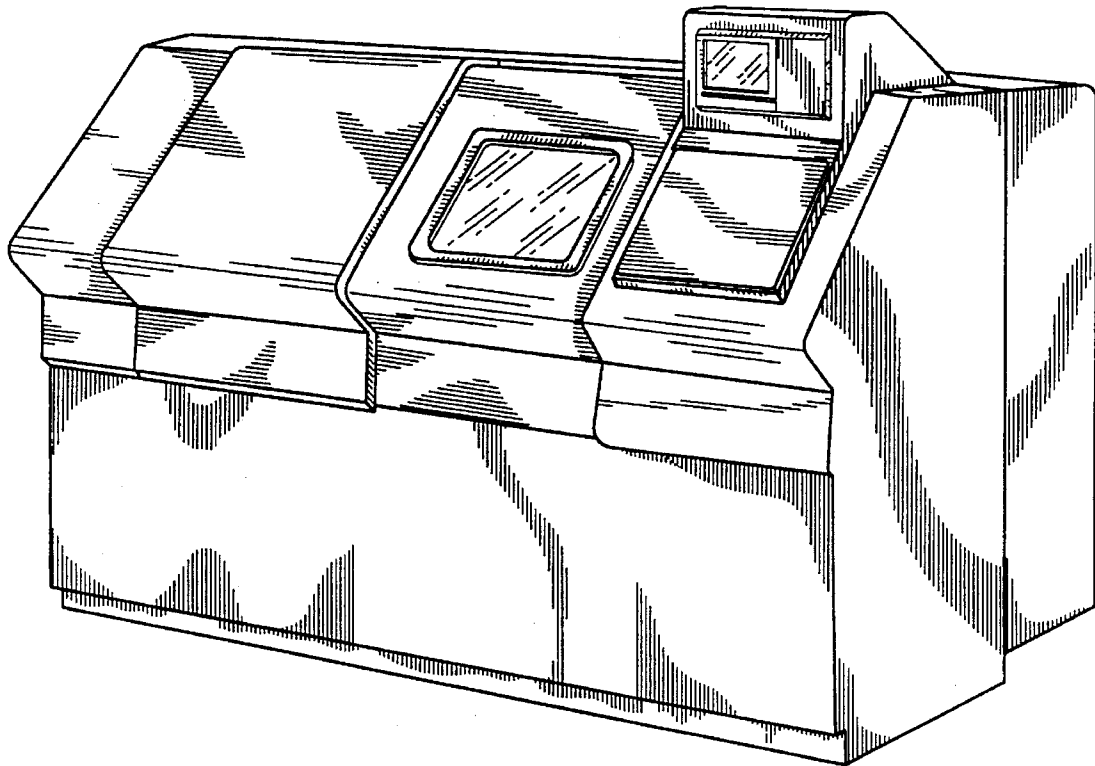


FIG.8

FIG.9

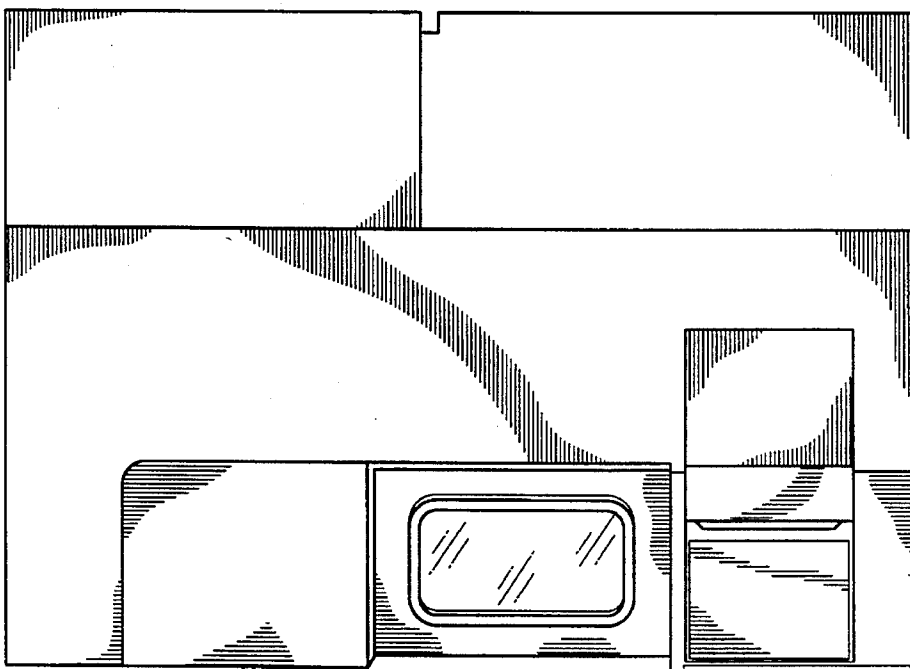


FIG.10

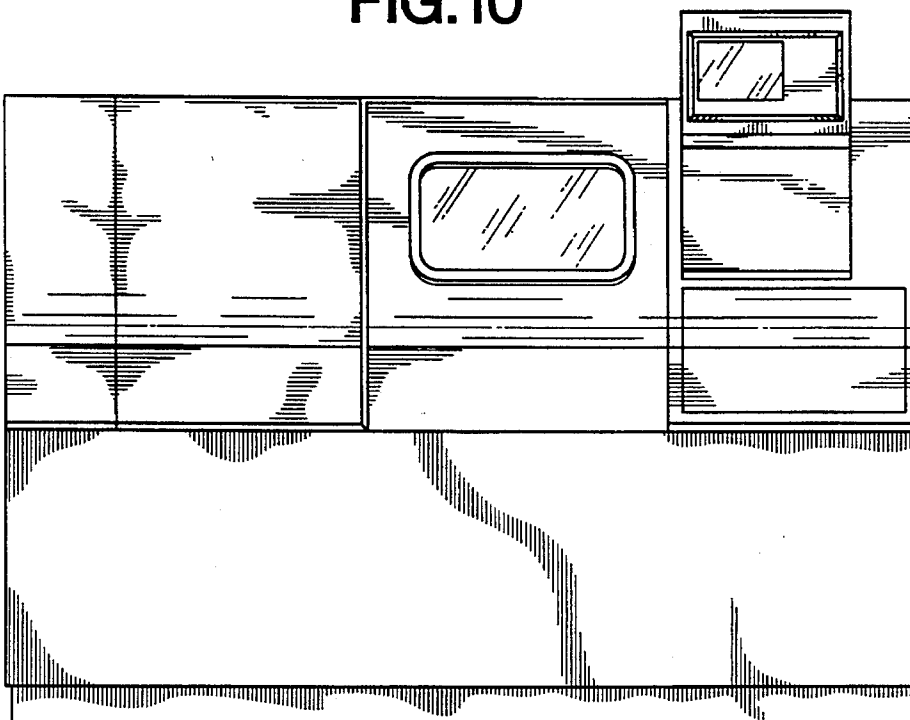


FIG.11

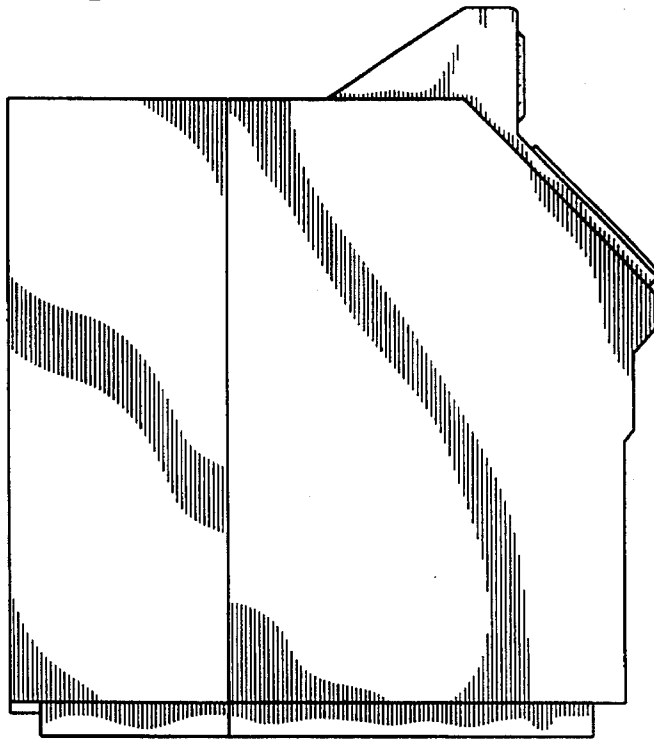


FIG.12

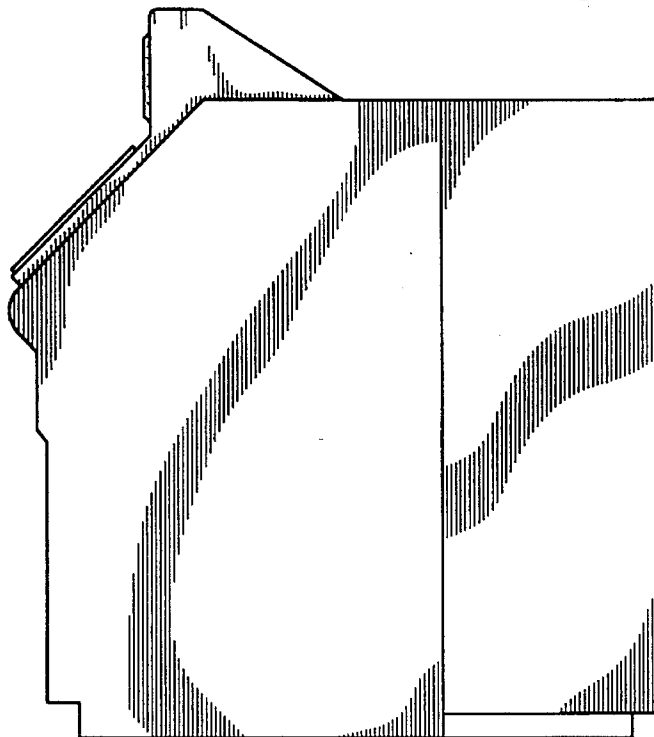


FIG.13

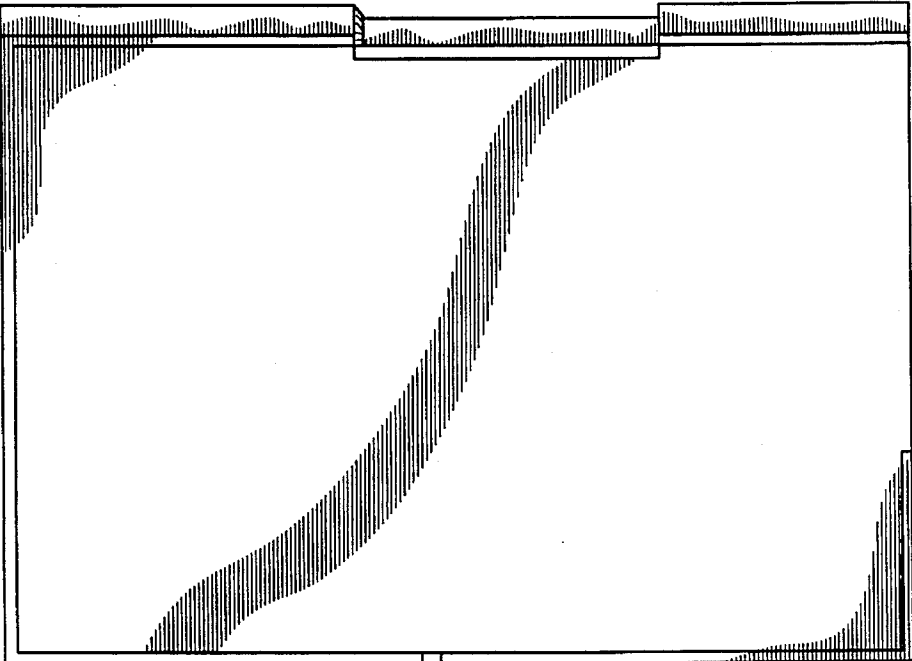


FIG.14

