

United States Patent [19]

Tsujimura et al.

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[54] BALL END MILL

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

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

[21] Appl. No.: **181,153**

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[30] **Foreign Application Priority Data**

Oct. 15, 1987 [JP] Japan 62-42120
[52] U.S. Cl. **D15/139; 407/40; 407/54**
[58] Field of Search **D15/138, 139, 140; 407/40, 42, 54; 408/239 A, 239 R, 187, 700, 223, 224, 227, 229, 233, 713, 199**

[56]

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[57]

CLAIM

The ornamental design for a ball end mill, as shown.

DESCRIPTION

FIG. 1 is a front elevational view of a ball end mill showing our new design;
FIG. 2 is a right side elevational view;
FIG. 3 is a left side elevational view;
FIG. 4 is a rear elevational view;
FIG. 5 is a top plan view;
FIG. 6 is a bottom plan view; and,
FIG. 7 is a front and left side perspective view thereof.

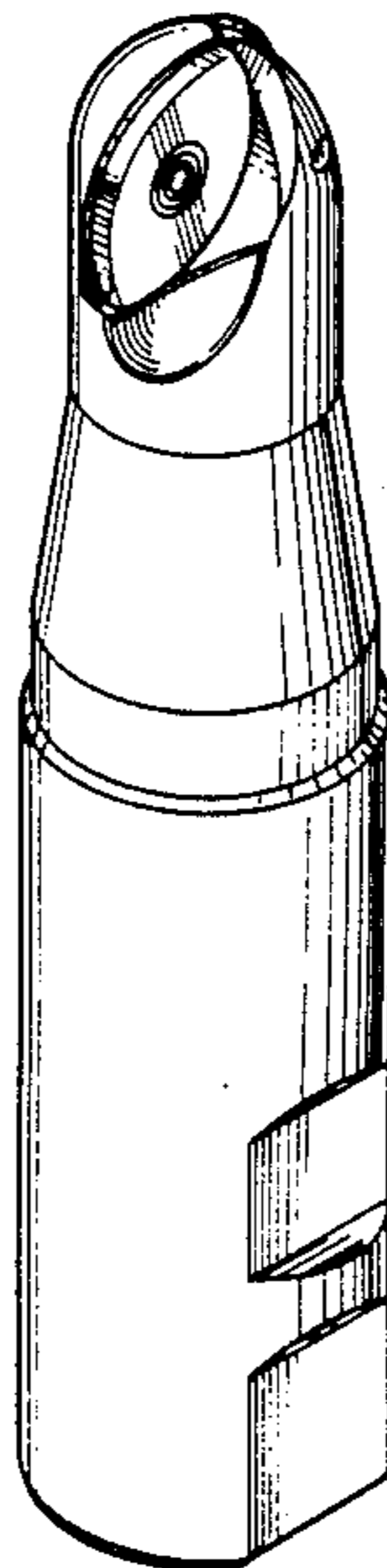


FIG. 1

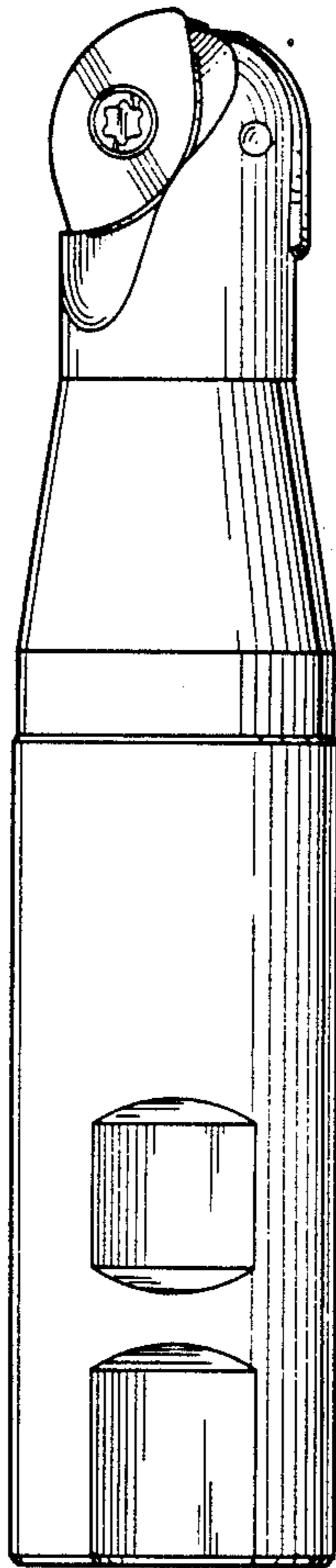


FIG. 2

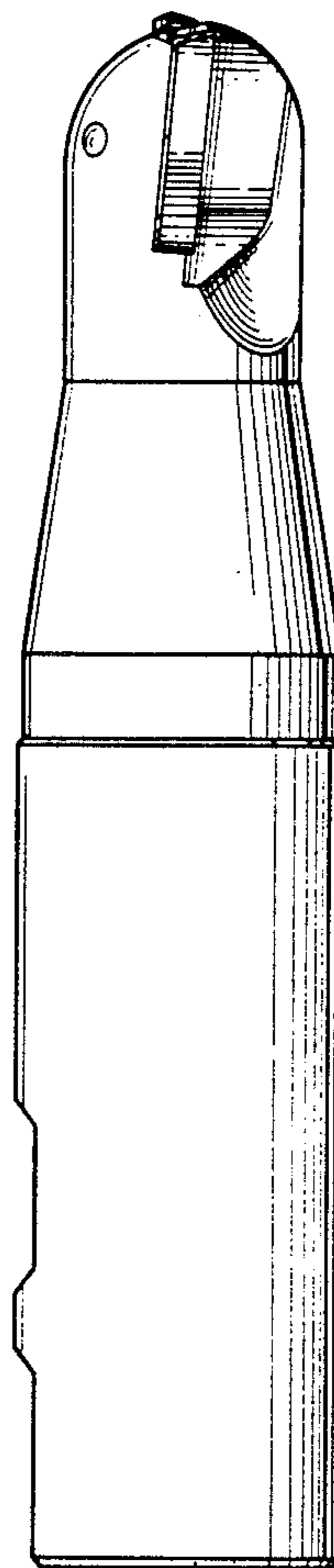


FIG. 5

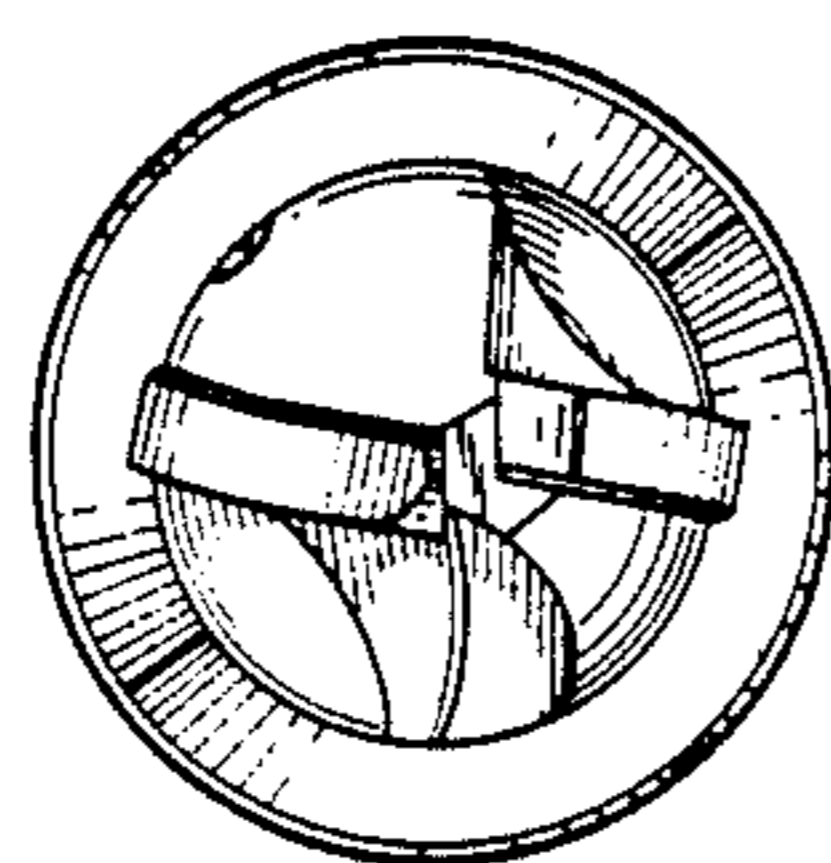


FIG. 6

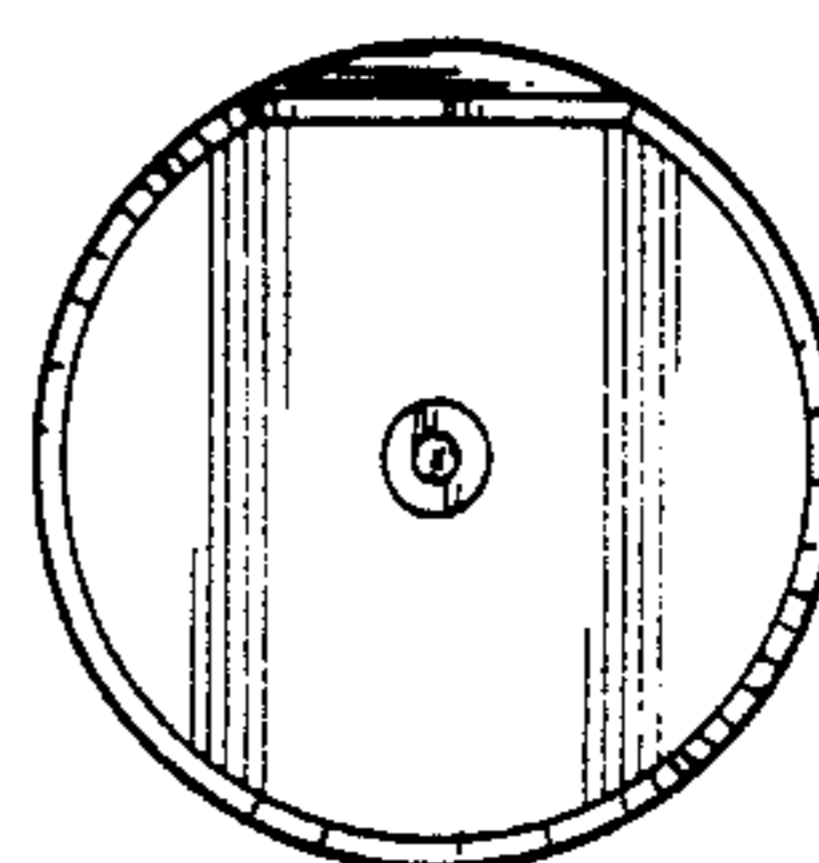


FIG. 3

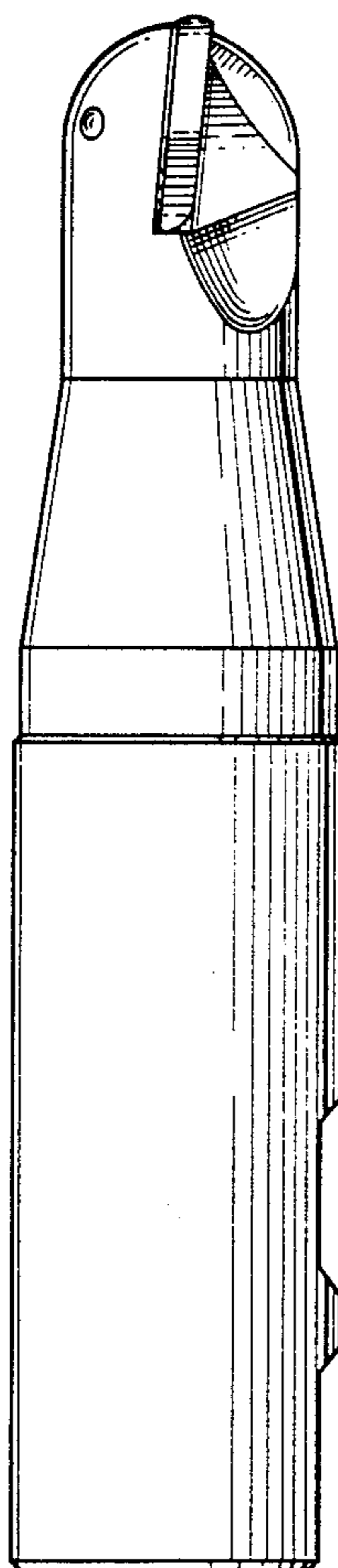


FIG. 4

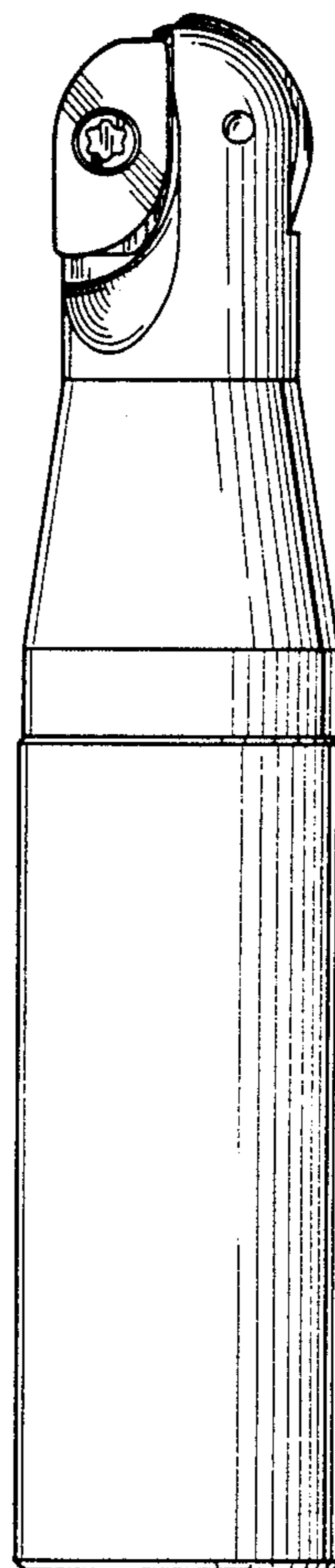


FIG. 7

