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United States Patent [19]

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Horrigan et al.

[45] Date of Patent: **** Mar. 22, 1994**

[54] **GUIDE CATHETER TORQUE HANDLE**

4,790,831 12/1988 Skribiski 604/282

[75] Inventors: **John B. Horrigan, Merrimac; Peter A. Lunn, Beverly, both of Mass.**

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[73] Assignee: **Medtronic, Inc., Minneapolis, Minn.**

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

[57] **CLAIM**

[21] Appl. No.: **821,556**

The ornamental design for a guide catheter torque handle, as shown.

[22] Filed: **Dec. 30, 1991**

DESCRIPTION

[52] U.S. Cl. **D24/130**

FIG. 1 is a perspective view of a guide catheter torque handle;

[58] Field of Search 128/658; 604/264, 282, 604/96, 280, 281, 283, 163; D24/112, 113, 108, 107, 130

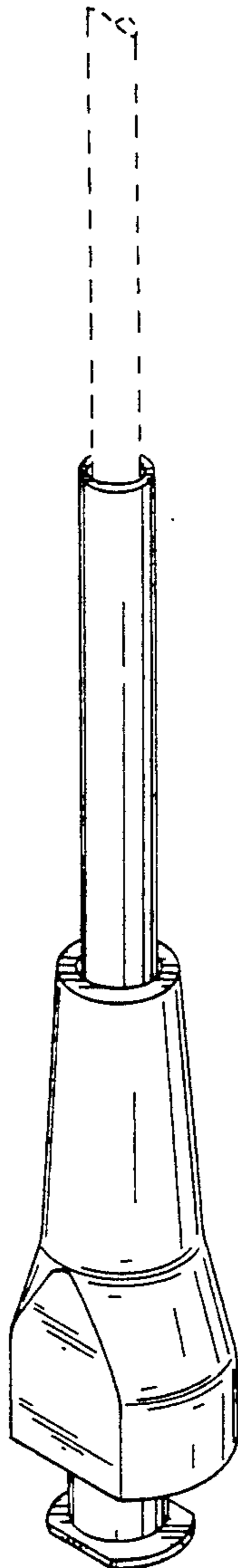
FIG. 2 is a side view of a guide catheter torque handle; FIG. 3 is a front view of a guide catheter torque handle; FIG. 4 is a plan view of the distal end of a guide catheter torque handle; and,

[56] **References Cited**

FIG. 5 is a plan view of the proximal end of a guide catheter torque handle.

U.S. PATENT DOCUMENTS

4,722,344 2/1988 Cambron et al. 128/658



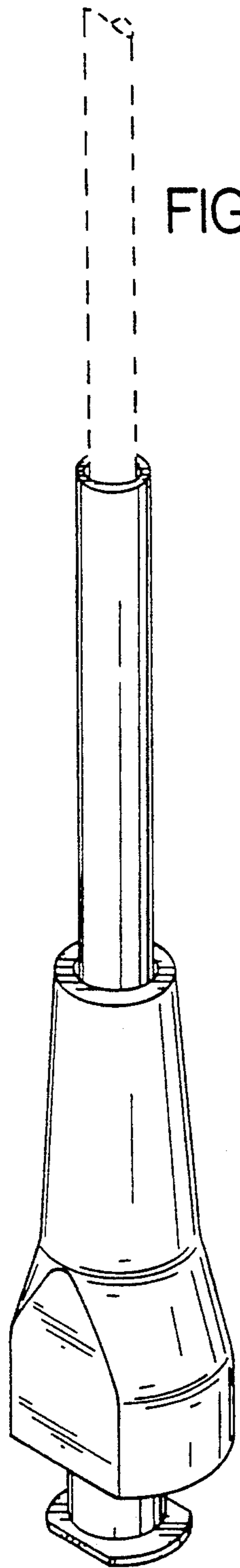


FIG. 1

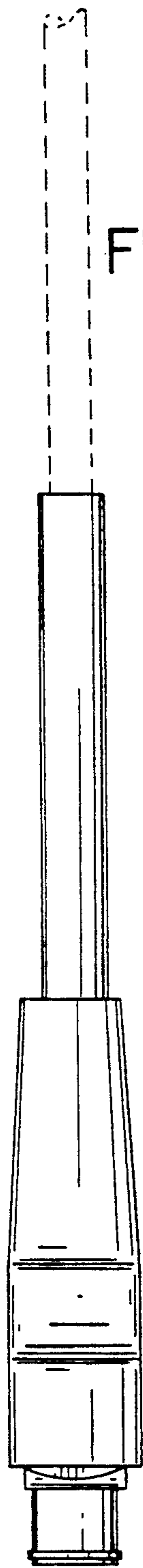


FIG. 2

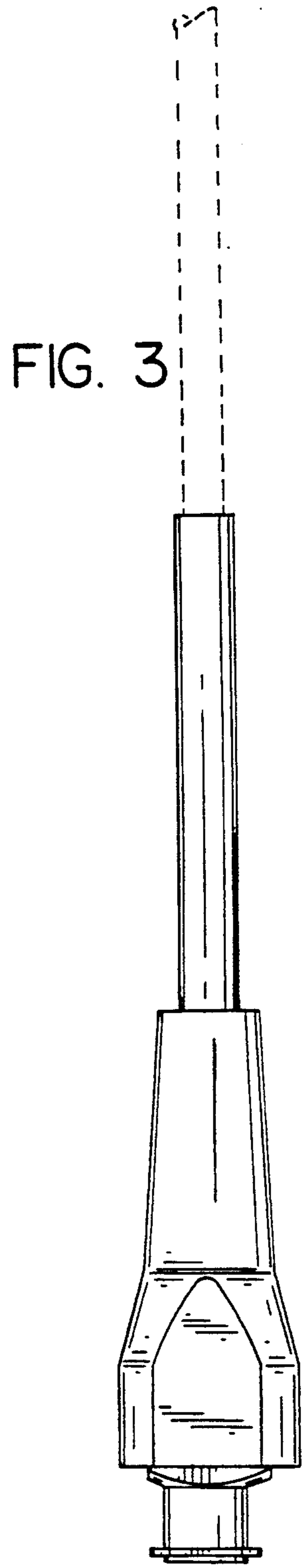


FIG. 3

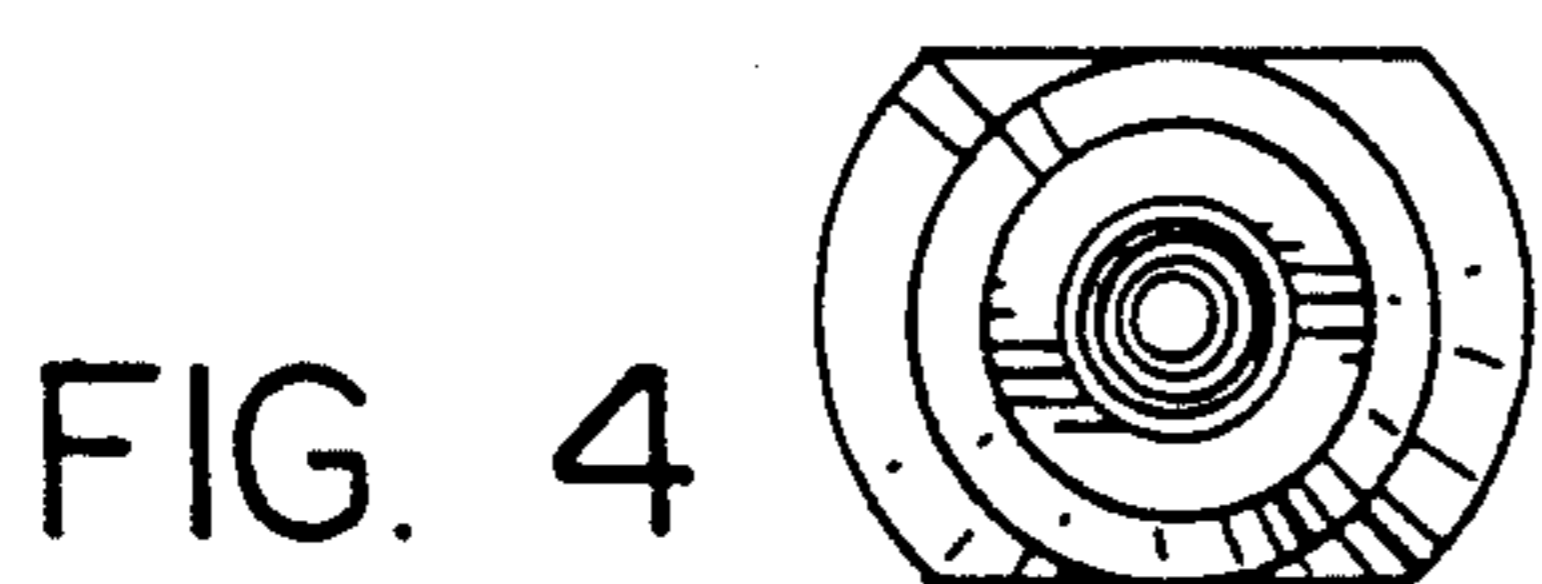


FIG. 4



FIG. 5