



US00D378764S

**United States Patent** [19]  
**Araki et al.**

[11] **Patent Number:** **Des. 378,764**  
[45] **Date of Patent:** **\*\*Apr. 8, 1997**

[54] **INK REFILL FOR A BALL-POINT PEN**

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of Aichi, Japan

[73] Assignee: **The Pilot Ink Co., Ltd.**, Nagoya, Japan

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

[21] Appl. No.: **46,456**

[22] Filed: **Nov. 15, 1995**

[30] **Foreign Application Priority Data**

May 15, 1995 [JP] Japan ..... 7-13524

[52] **U.S. Cl.** ..... **D19/54; D19/51; D19/57;**  
D19/43

[58] **Field of Search** ..... D19/35, 36, 41-51,  
D19/53-58, 81-85; 401/210, 217, 222-224,  
221, 99-101

[56] **References Cited**

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Seas

[57] **CLAIM**

The ornamental design for an ink refill for a ball-point pen,  
as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of the top, front and one end of  
an ink refill for a ball-point pen showing our new design;  
FIG. 2 is a side elevational view thereof, the opposite side  
being a mirror image thereof;

FIG. 3 is a side elevational view rotated 90 degrees from the  
showing of FIG. 2, the opposite side being a mirror image  
thereof;

FIG. 4 is an end elevational view thereof;

FIG. 5 is an end elevational view of the end opposite that  
shown in FIG. 4;

FIG. 6 is a side elevational view with the cap member  
removed for convenience of illustration, the opposite side  
being a mirror image thereof;

FIG. 7 is a side elevational view rotated 90 degrees from the  
showing of FIG. 6, the opposite side being a mirror image  
thereof;

FIG. 8 is an end elevational view of FIG. 6;

FIG. 9 is an end elevational view of the end opposite that  
shown FIG. 8;

FIG. 10 is a top plan view of the cap member with the refill  
body removed for convenience of illustration;

FIG. 11 is a side elevational view of FIG. 10; and,

FIG. 12 is a bottom plan view of FIG. 10.

**1 Claim, 2 Drawing Sheets**

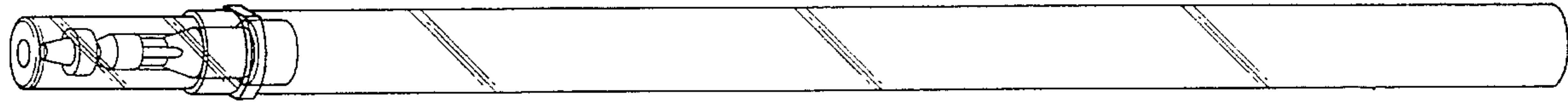


FIG. 1

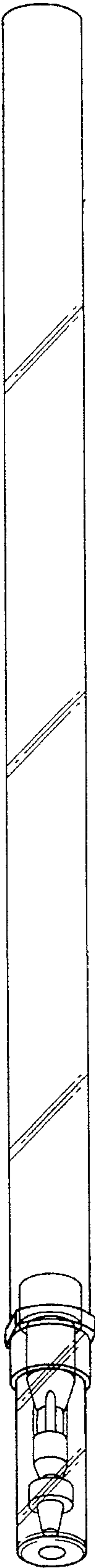


FIG. 2

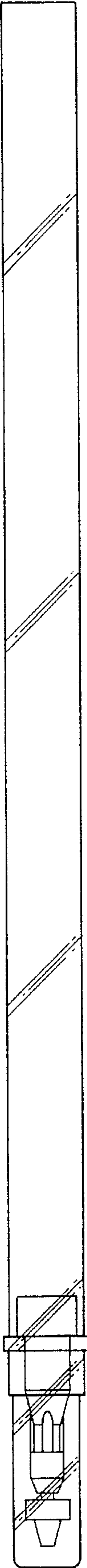


FIG. 3

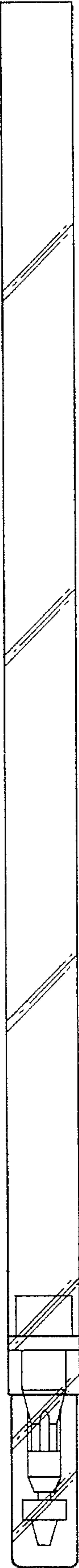


FIG. 4 FIG. 5

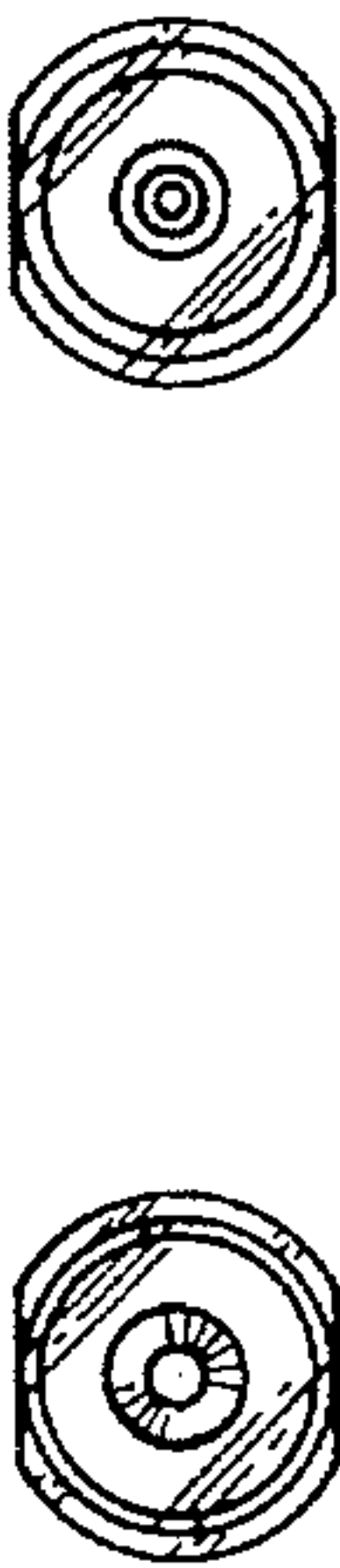


FIG. 6

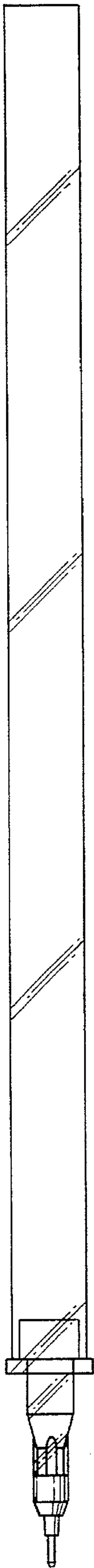


FIG. 7

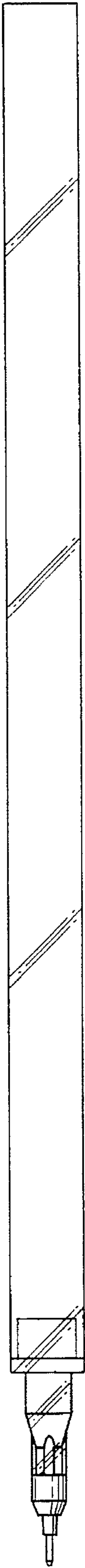


FIG. 8

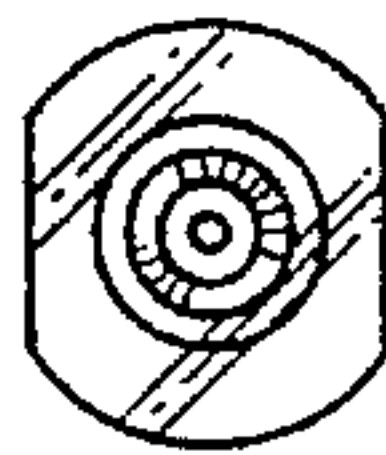


FIG. 9



FIG. 10

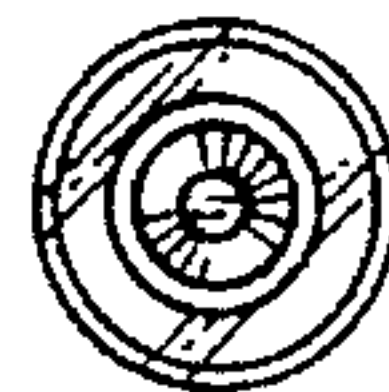


FIG. 11

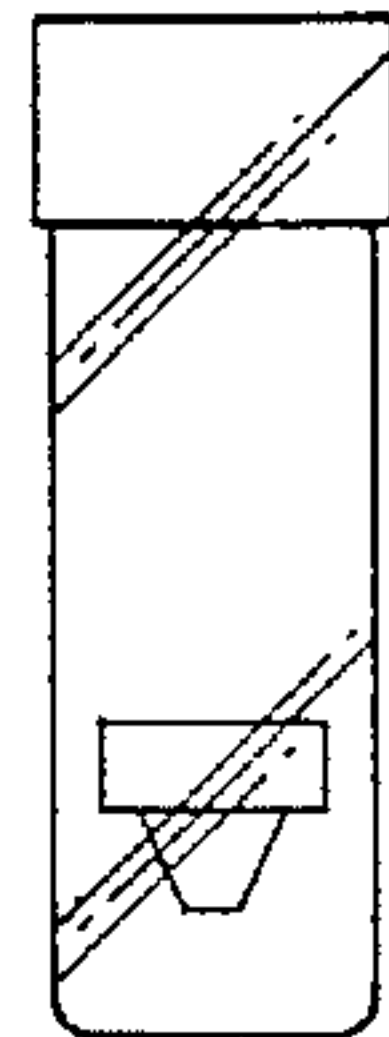


FIG. 12

