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(12) **United States Design Patent**  
**Abe et al.**

(10) **Patent No.:** **US D888,786 S**

(45) **Date of Patent:** **\*\* Jun. 30, 2020**

(54) **DRILLING TOOL**

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(Continued)

(73) Assignee: **Sumitomo Electric Hardmetal Corp.**, Itami-shi (JP)

(\*\*) Term: **15 Years**

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(21) Appl. No.: **29/648,968**

(57) **CLAIM**

(22) Filed: **May 25, 2018**

The ornamental design for a drilling tool, as shown and described.

**Related U.S. Application Data**

**DESCRIPTION**

(62) Division of application No. 29/550,577, filed on Jan. 5, 2016.

FIG. 1 is a front view of a drilling tool of an embodiment showing our new design,

(30) **Foreign Application Priority Data**

FIG. 2 is a rear view thereof;

Jul. 6, 2015 (JP) ..... 2015-015001

FIG. 3 is a top view thereof;

Jul. 6, 2015 (JP) ..... 2015-015002

FIG. 4 is a bottom view thereof;

(Continued)

FIG. 5 is a right side view thereof;

(51) **LOC (12) Cl.** ..... **15-09**

FIG. 6 is a left side view thereof;

(52) **U.S. Cl.**

FIG. 7 is a perspective view thereof;

USPC ..... **D15/139**

FIG. 8 is an enlarged front view of the 8-12 through 8-12 portion of FIG. 1,

(58) **Field of Classification Search**

FIG. 9 is an enlarged top view of the 8-12 through 8-12 portion of FIG. 1,

USPC ..... D8/86; D15/131, 132, 138, 139, 140

FIG. 10 is an enlarged right side view of the 8-12 through 8-12 portion of FIG. 1,

(Continued)

FIG. 11 is an enlarged first perspective view of the 8-12 through 8-12 portion of FIG. 1; and,

(56) **References Cited**

FIG. 12 is an enlarged second perspective view of the 8-12 through 8-12 portion of FIG. 1.

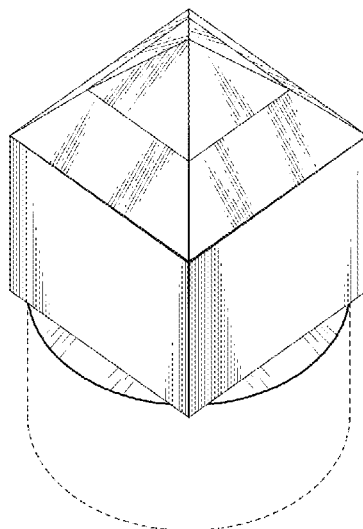
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The broken lines shown in the drawings represent portions of the drilling tool that form no part of the claimed design.

(Continued)

**1 Claim, 9 Drawing Sheets**



**(30) Foreign Application Priority Data**

Jul. 6, 2015 (JP) ..... 2015-015004  
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**(58) Field of Classification Search**

CPC ... B23K 31/025; B23K 35/0222; E21B 10/56;  
 E21C 35/183; E21C 2035/1806  
 See application file for complete search history.

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FIG. 1

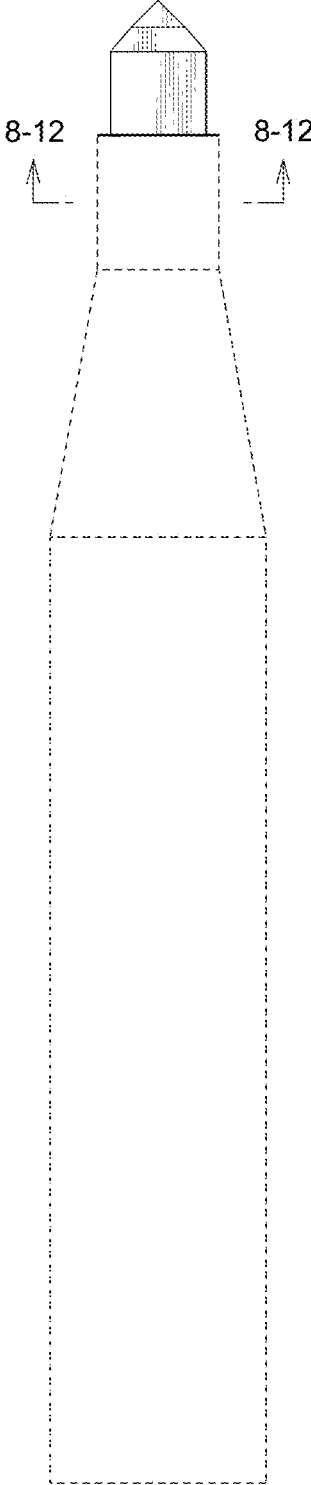


FIG. 2

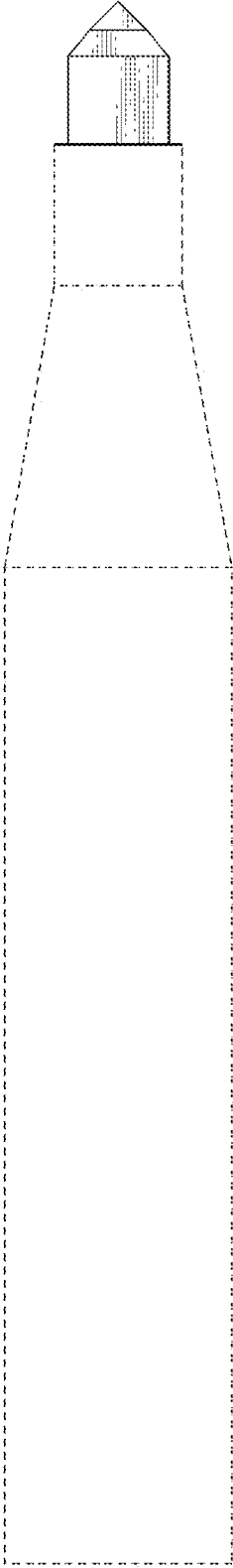


FIG. 3

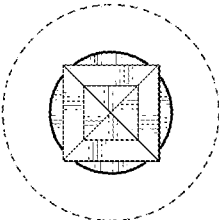


FIG. 4

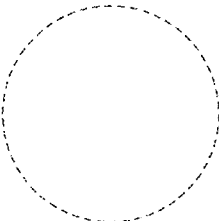


FIG. 5

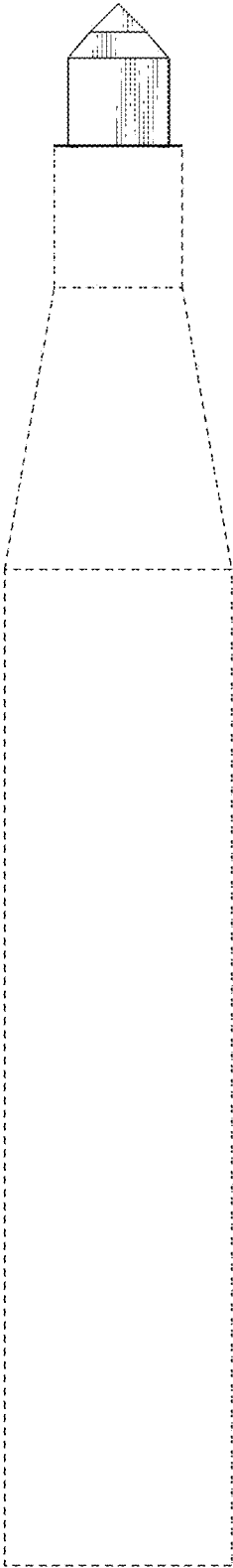


FIG. 6

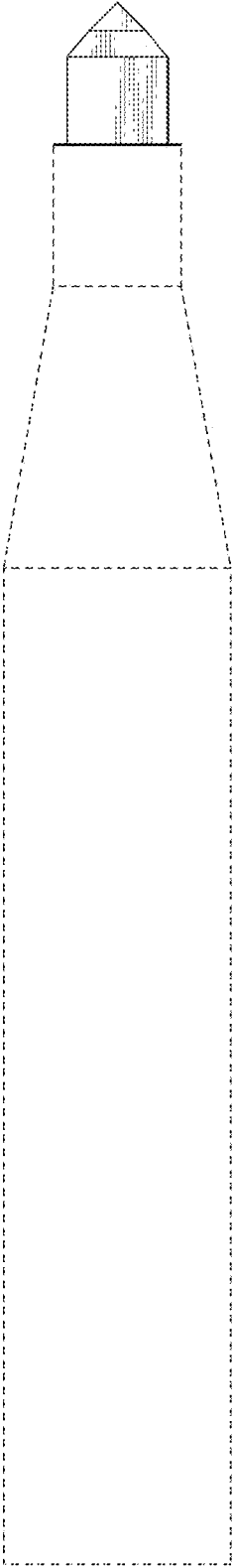


FIG. 7

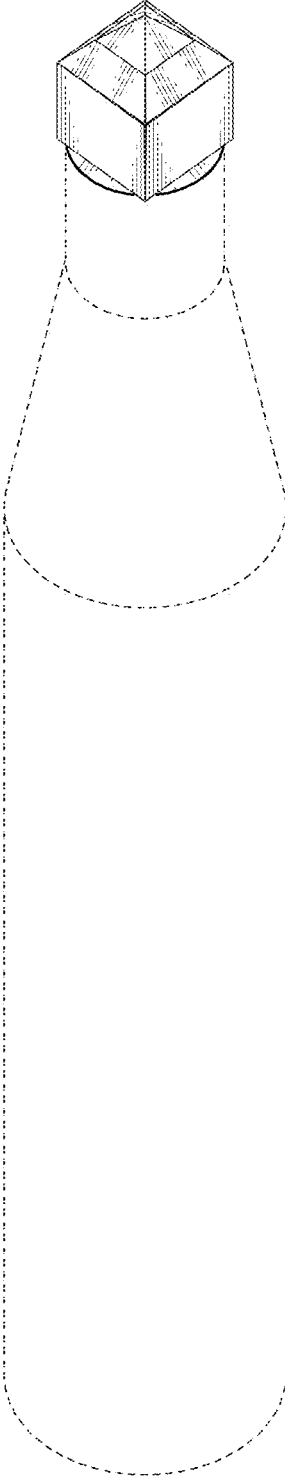


FIG. 8

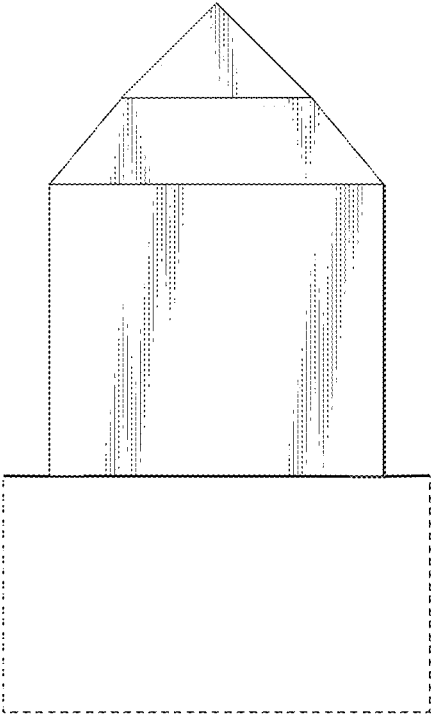


FIG. 9

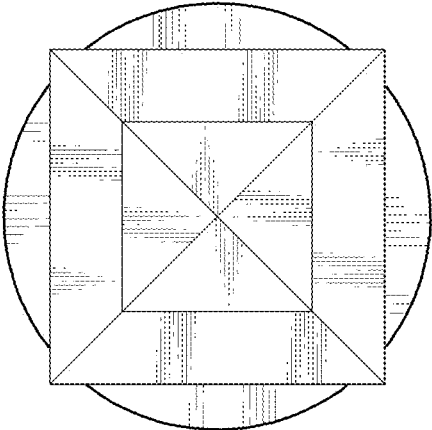


FIG. 10

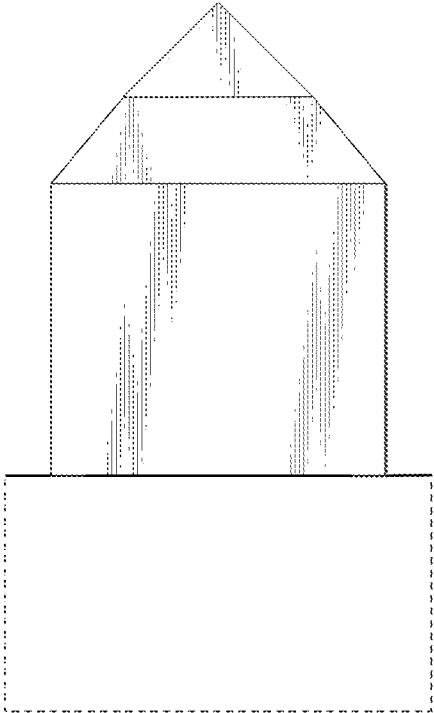


FIG. 11

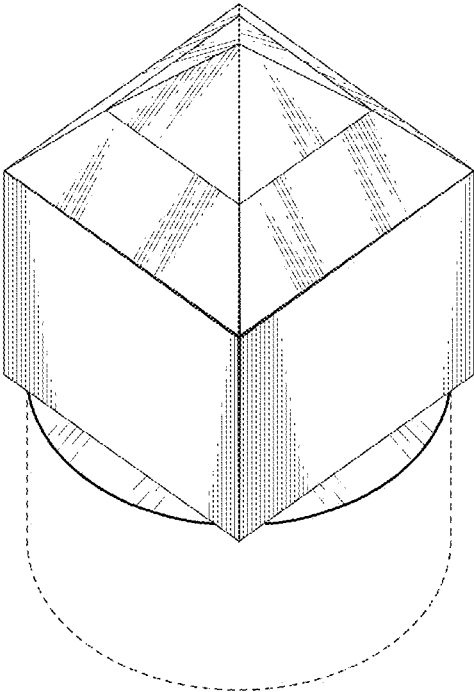


FIG. 12

