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(12) **United States Design Patent**
Jones

(10) **Patent No.:** **US D750,509 S**

(45) **Date of Patent:** **** Mar. 1, 2016**

- (54) **DOWNHOLE SENSOR TOOL**
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- (72) Inventor: **David B. Jones**, Houston, TX (US)
- (73) Assignee: **Tool Joint Products LLC**, Houston, TX
(US)
- (**) Term: **14 Years**
- (21) Appl. No.: **29/509,528**
- (22) Filed: **Nov. 18, 2014**

Related U.S. Application Data

- (63) Continuation-in-part of application No. 13/047,436,
filed on Mar. 14, 2011, now Pat. No. 9,062,531.
- (51) **LOC (10) Cl.** **10-04**
- (52) **U.S. Cl.**
USPC **D10/65**
- (58) **Field of Classification Search**
USPC D10/65; D15/139, 140
CPC E21B 47/01; E21B 47/082; E21B 47/011;
E21B 47/08; E21B 47/026; E21B 17/014;
E21B 17/1064; G01V 1/46; G01V 1/50;
G01V 11/005; G01V 2210/6168
See application file for complete search history.

References Cited

U.S. PATENT DOCUMENTS

D266,521	S	*	10/1982	Gustafsson	.....	D15/139
5,341,345	A		8/1994	Warner et al.		
6,880,647	B2		4/2005	Villareal		
7,587,936	B2		9/2009	Han		
8,130,591	B2		3/2012	Gerrits		
8,528,668	B2		9/2013	Rasheed		
2007/0227775	A1	*	10/2007	Ma	.....	E21B 7/06 175/26
2008/0128175	A1	*	6/2008	Radford	.....	E21B 10/322 175/269

2008/0296067	A1	*	12/2008	Haughom	.....	E21B 17/1014 175/325.4
2012/0241218	A1	*	9/2012	Chau	.....	E21B 47/011 175/45
2013/0048287	A1	*	2/2013	Simson	.....	E21B 29/002 166/298
2013/0299237	A1	*	11/2013	Johnson	.....	E21B 17/028 175/40
2014/0166266	A1	*	6/2014	Read	.....	E21B 47/122 166/250.01
2015/0041218	A1	*	2/2015	Toler, Jr.	E21B 17/10 175/61
2015/0107825	A1	*	4/2015	Miller	E21B 21/103 166/250.1

* cited by examiner

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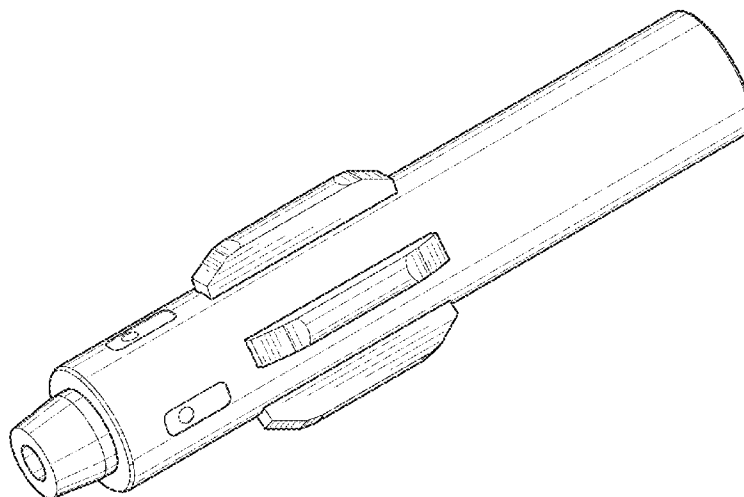
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is an upper perspective view of the downhole sensor tool showing my design downhole sensor tool.
 FIG. 2 is a front elevation view thereof;
 FIG. 3 is a back elevation view thereof;
 FIG. 4 is a side elevation view thereof;
 FIG. 5 is an opposite side elevation view thereof;
 FIG. 6 is a top plan view thereof;
 FIG. 7 is a bottom plan view thereof; and,
 FIG. 8 is an exploded perspective view thereof, showing four sensors on one end and an inner chassis released from another end, wherein the inner chassis has surface structures in broken lines.
 The downhole sensor tool is deployed into a borehole along a drill string to measure conditions with the sensors on the one end. The broken line features are illustrative and form no part of the claimed design.

1 Claim, 3 Drawing Sheets



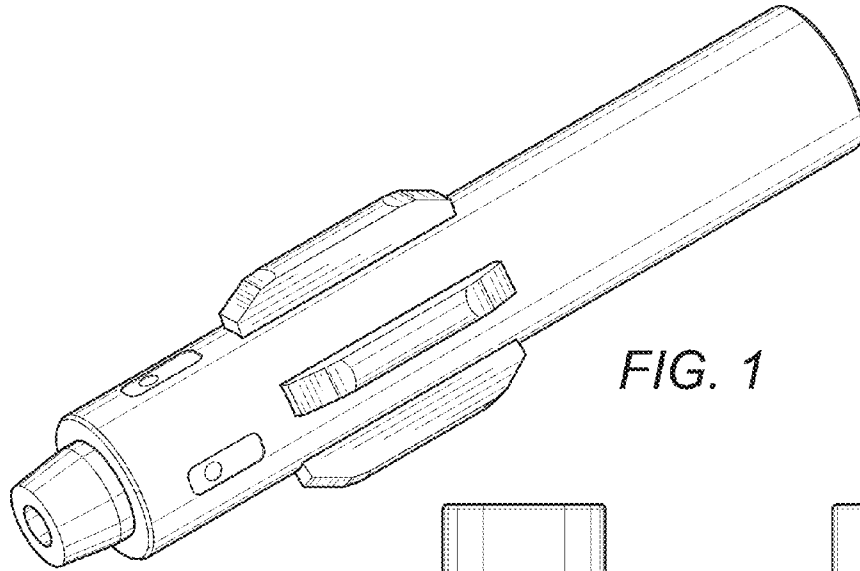


FIG. 1

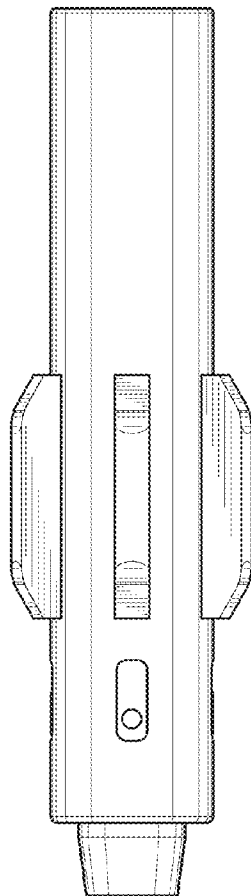


FIG. 2

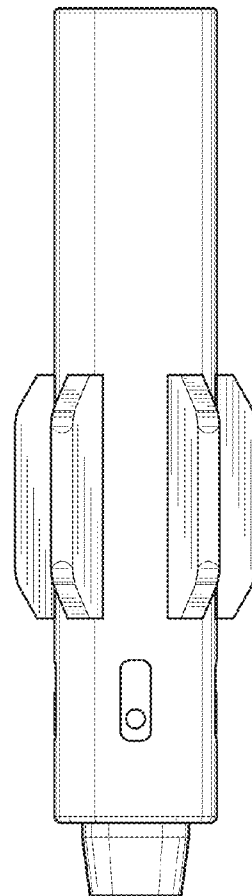


FIG. 3

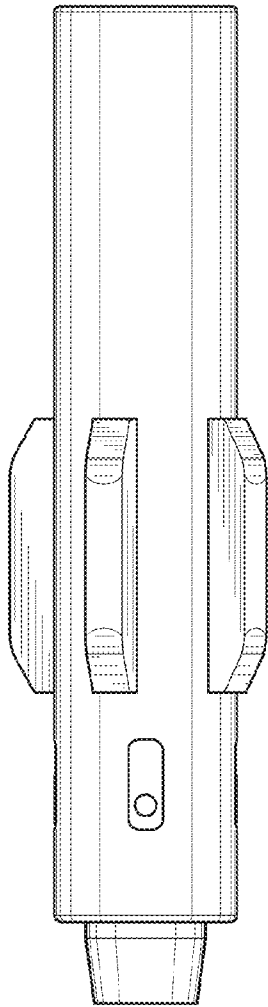


FIG. 4

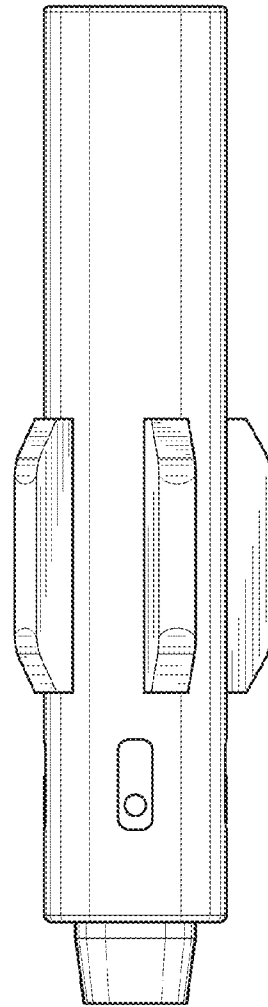


FIG. 5

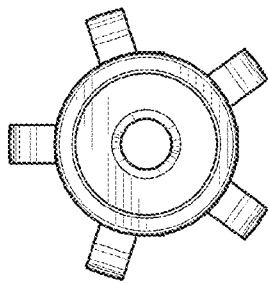


FIG. 6

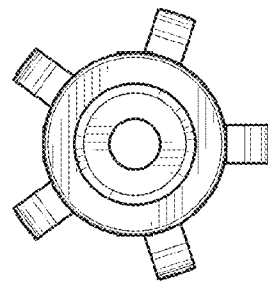


FIG. 7

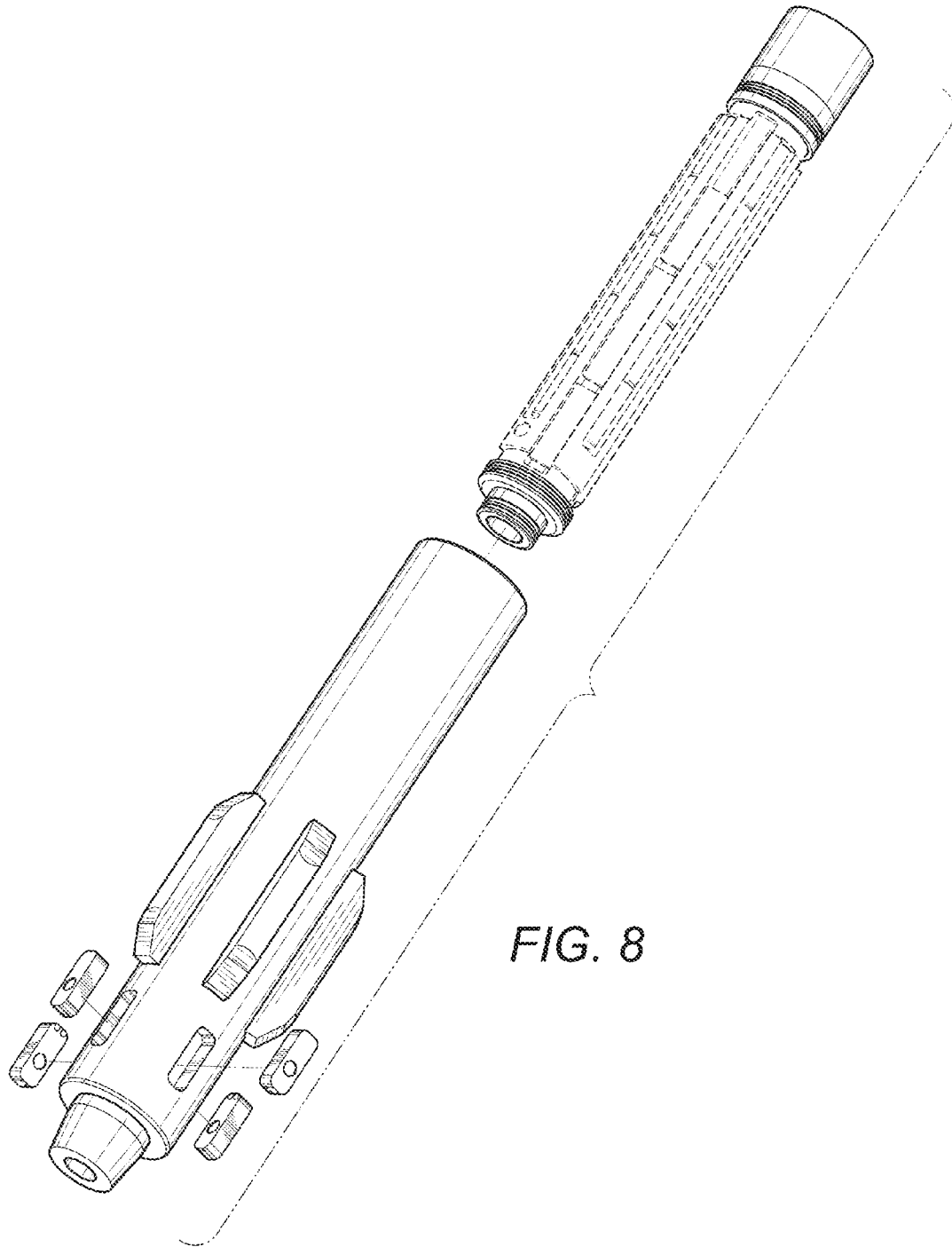


FIG. 8