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

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(54) **CIRCULAR SENSOR SLOTS BASED PROBE HOUSING**

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(72) Inventor: **Saswata Basu**, Cupertino, CA (US)

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

(21) Appl. No.: **29/640,852**

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(51) **LOC (11) Cl.** ..... **10-04**

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

USPC ..... **D10/52**; D10/56

(58) **Field of Classification Search**

USPC ..... D10/52, 56

CPC ..... G01N 33/24; G01N 33/246; G01N

2033/243; G01N 2033/245; G01N

2033/248; G01N 15/08; G01N 15/0806;

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G01N 2203/06; G01N 2203/0605; G01N

2203/0641; G01N 2203/0647; G01N

2203/0658; G01N 33/241

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,845,978 A \* 7/1989 Whitford ..... G01N 25/18

73/73

6,601,440 B1 \* 8/2003 Chuang ..... A01G 25/167

73/73

6,700,395 B1 \* 3/2004 Perry ..... G01N 33/246

324/664

6,956,381 B2 10/2005 Dahan

D553,516 S \* 10/2007 de Groot ..... D10/56

**OTHER PUBLICATIONS**

Decagon Devices, Inc., EC-5 Soil Moisture Sensor User's Manual version 2, 2001-2012, <https://dyacon.com/wp-content/uploads/2014/08/Decagon-Manual-EC-51.pdf>.

Bentek Technologies, Drill & Drop Probe Installation Manual version 3, May 2015, [https://www.fondriest.com/pdf/sentek\\_drill\\_drop\\_manual.pdf](https://www.fondriest.com/pdf/sentek_drill_drop_manual.pdf).

Bryan Lufkin, Gizmodo II Soil Sensors Can Cut Farms' Water Use by a Quarter During a Drought, Jun. 22, 2015, <https://www.cropx.com/gizmodo-swarms-of-soil-sensors-may-help-farmers-water-smarter-during-the-drought/>.

\* cited by examiner

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(57) **CLAIM**

The ornamental design for a circular sensor slots based probe housing, as shown and described.

**DESCRIPTION**

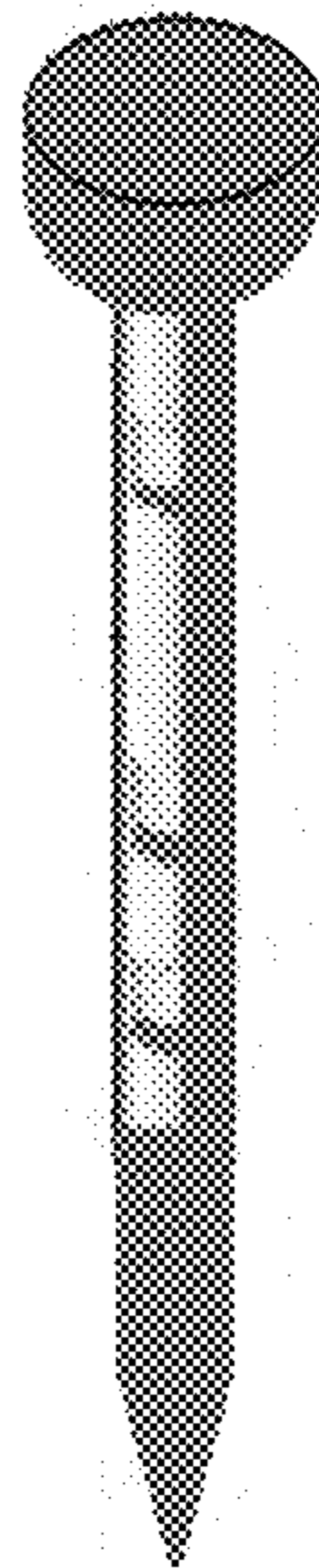
FIG. 1 a front perspective view of circular sensor slots based probe housing showing the claimed design.

FIG. 2 top elevation perspective view of the claimed design.

FIG. 3 is a back perspective of the probe housing of the claimed design; and,

FIG. 4 is a left or right side perspective of the probe housing of the claimed design.

**1 Claim, 4 Drawing Sheets**



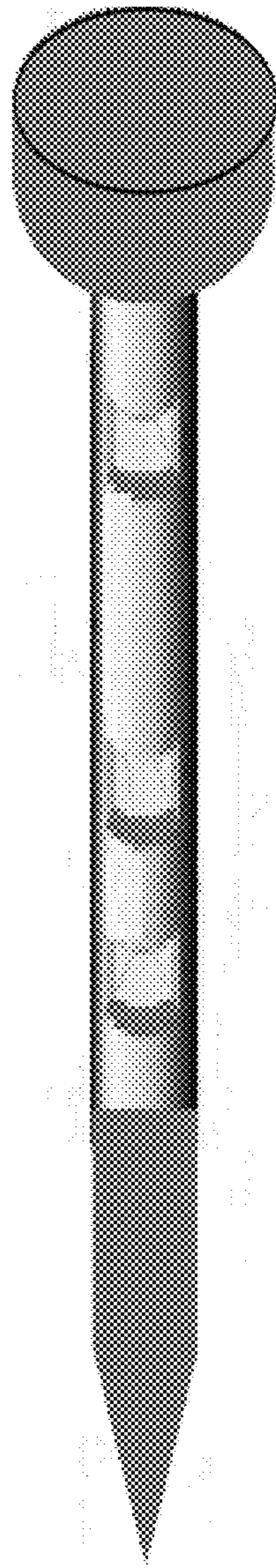


Fig. 1

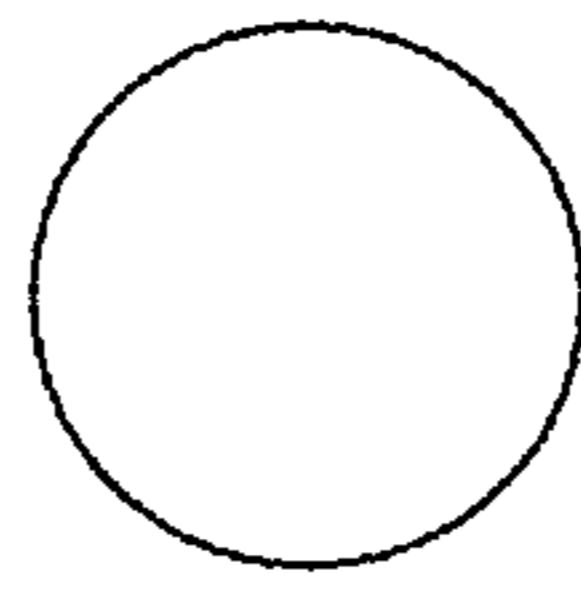


Fig. 2

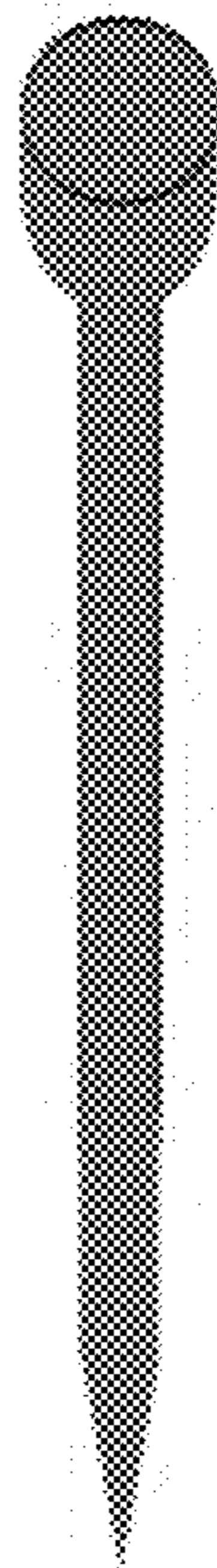


FIG. 3

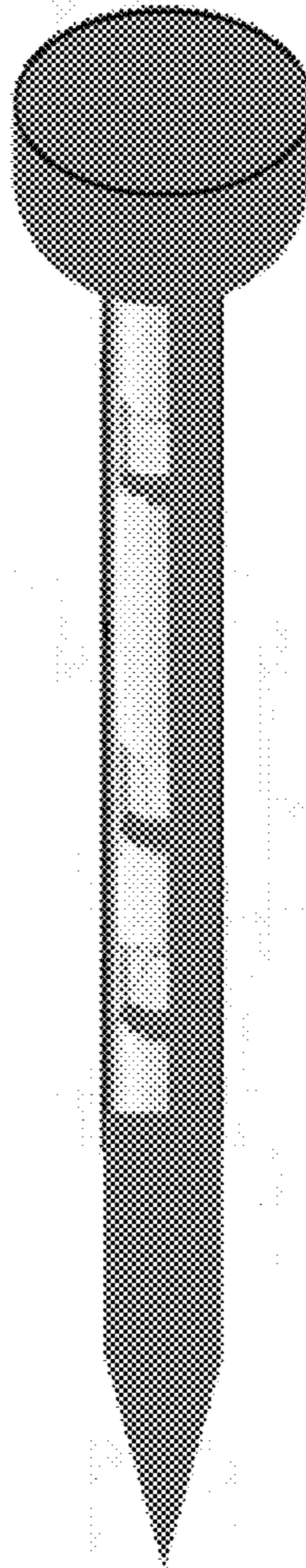


Fig. 4