



US00D969118S

(12) **United States Design Patent** (10) **Patent No.:** **US D969,118 S**  
**Scarpelli** (45) **Date of Patent:** **\*\* Nov. 8, 2022**

(54) **RADIO-FREQUENCY ANTENNA**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **Field Theory Consulting Inc.**,  
Mundelein, IL (US)  
(72) Inventor: **Tadd Scarpelli**, Libertyville, IL (US)  
(73) Assignee: **Field Theory Consulting Inc.**,  
Mundelein, IL (US)

CN 306695914 \* 7/2021  
CN 306777802 \* 8/2021  
CN 307048679 \* 1/2022  
CN 307150690 \* 3/2022  
CN 307244327 \* 4/2022

(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/752,042**

OTHER PUBLICATIONS

Laird Connectivity, Mini NanoBlade Flex, available at Mouser.com, date published 2022, site visited May 2, 2022, Available at URL: <https://www.lairdconnect.com/documentation/datasheet-mini-nanoblade-flex> (Year: 2022).\*

(22) Filed: **Sep. 24, 2020**  
(51) **LOC (13) Cl.** ..... **14-03**  
(52) **U.S. Cl.**  
USPC ..... **D14/230**  
(58) **Field of Classification Search**  
USPC ..... D14/230, 489, 492, 218; D20/22;  
D11/3; D19/1; D13/182; D24/122, 124,  
D24/126, 199, 200, 206; D18/17, 18  
CPC ..... H05K 11/00; G05D 1/0234; H01Q 7/00;  
H01Q 13/10; H01Q 9/285; H01Q 19/30;  
H01Q 19/12  
See application file for complete search history.

(Continued)

*Primary Examiner* — Daniel J Domino  
*Assistant Examiner* — Samina Vieth  
(74) *Attorney, Agent, or Firm* — Leydig, Voit & Mayer,  
Ltd.

(57) **CLAIM**

The ornamental design of a radio-frequency antenna, as shown and described.

(56) **References Cited**

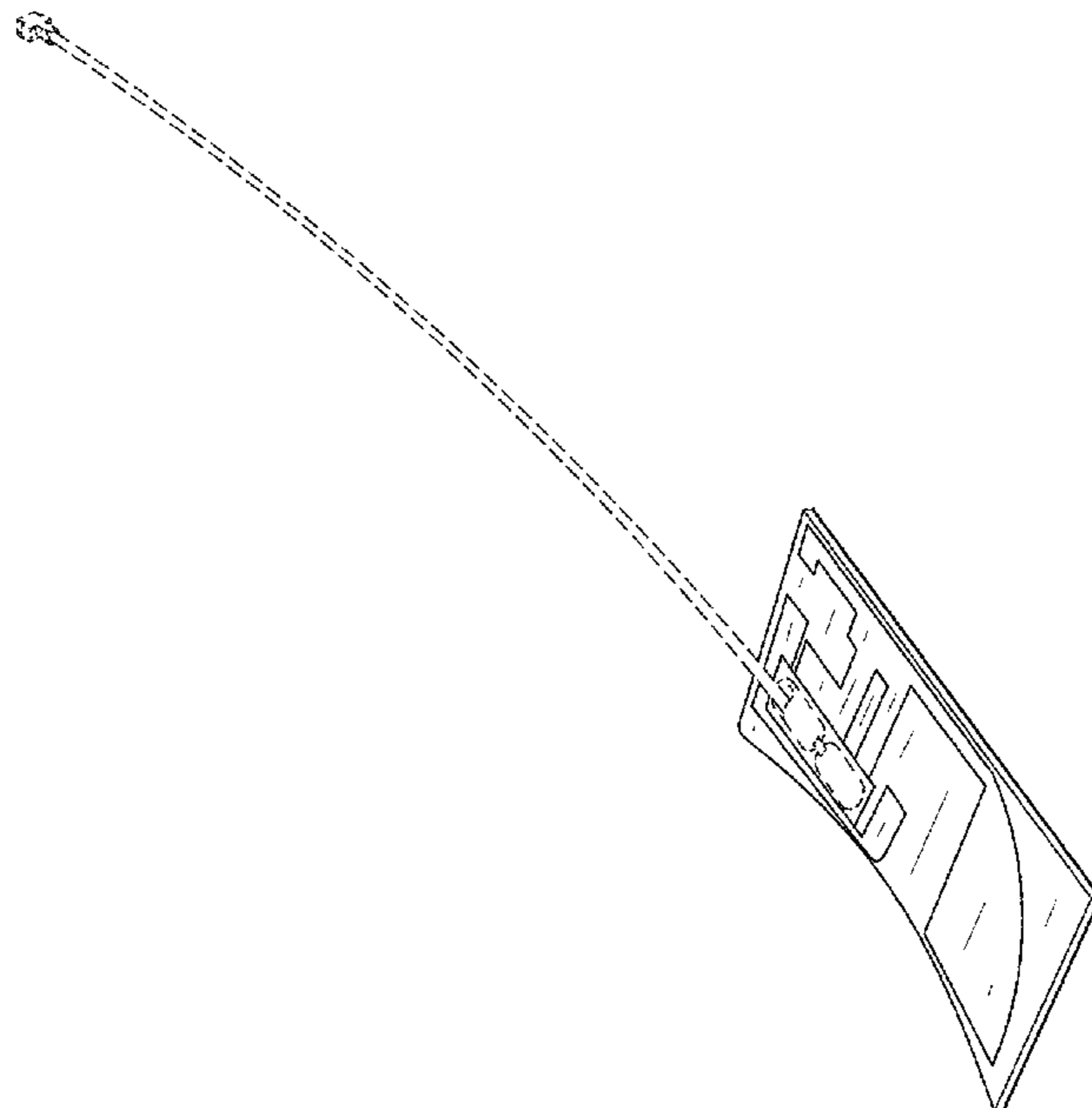
**DESCRIPTION**

U.S. PATENT DOCUMENTS

D425,512 S \* 5/2000 Waldner ..... D14/230  
6,667,718 B2 \* 12/2003 Back ..... H91Q 9/0407  
D578,520 S \* 10/2008 Miyoshi ..... D14/230  
D579,446 S \* 10/2008 Imano ..... D14/230  
D581,401 S \* 11/2008 Miyoshi ..... D14/230  
D583,364 S \* 12/2008 Ito ..... D14/230  
D603,385 S \* 11/2009 Kuramoto ..... D14/230  
D609,700 S \* 2/2010 Takahashi ..... D14/230  
D623,632 S \* 9/2010 Montgomery ..... D14/230  
D702,216 S \* 4/2014 Podduturi ..... D14/230  
D748,037 S \* 1/2016 Filo ..... D12/320

FIG. 1 is a perspective view of the radio-frequency antenna;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a left side view thereof;  
FIG. 5 is a right side view thereof;  
FIG. 6 is a top view thereof; and,  
FIG. 7 is a bottom view thereof.  
The portions shown in dotted lines do not form part of the  
claimed design.

**1 Claim, 4 Drawing Sheets**



(56)

**References Cited**

OTHER PUBLICATIONS

Walsin Technology Corporation, RFPCA331630IMAB301, available at digikey.com, date published Oct. 2015, site visited May 2, 2022, Available at URL: [https://media.digikey.com/pdf/Data%20Sheets/Walsin%20Technology%20PDFs/RFPCA331630IMAB301\\_V01\(20151102\).pdf](https://media.digikey.com/pdf/Data%20Sheets/Walsin%20Technology%20PDFs/RFPCA331630IMAB301_V01(20151102).pdf) (Year: 2015).\*

Centurion, NanoBlue, available at cdn.shopify.com, date published Dec. 26, 2005, site visited May 2, 2022, Available at URL: [https://cdn.shopify.com/s/files/1/0345/4055/2323/files/nanoblue\\_-\\_old.pdf?v=1595960466](https://cdn.shopify.com/s/files/1/0345/4055/2323/files/nanoblue_-_old.pdf?v=1595960466) (Year: 2005).\*

Wnedy77789945, 2pc 2.4G/5.8 dual Band Antenna . . . , available at ebay.com, date first available: Jul. 10, 2019, site visited May 22, 2022, Available at URL: <https://www.ebay.com/itm/272799015130?hash=item3f8416a0da:g:9QcAAQSwUTphZEn7> (Year: 2019).\*

\* cited by examiner

FIG. 1

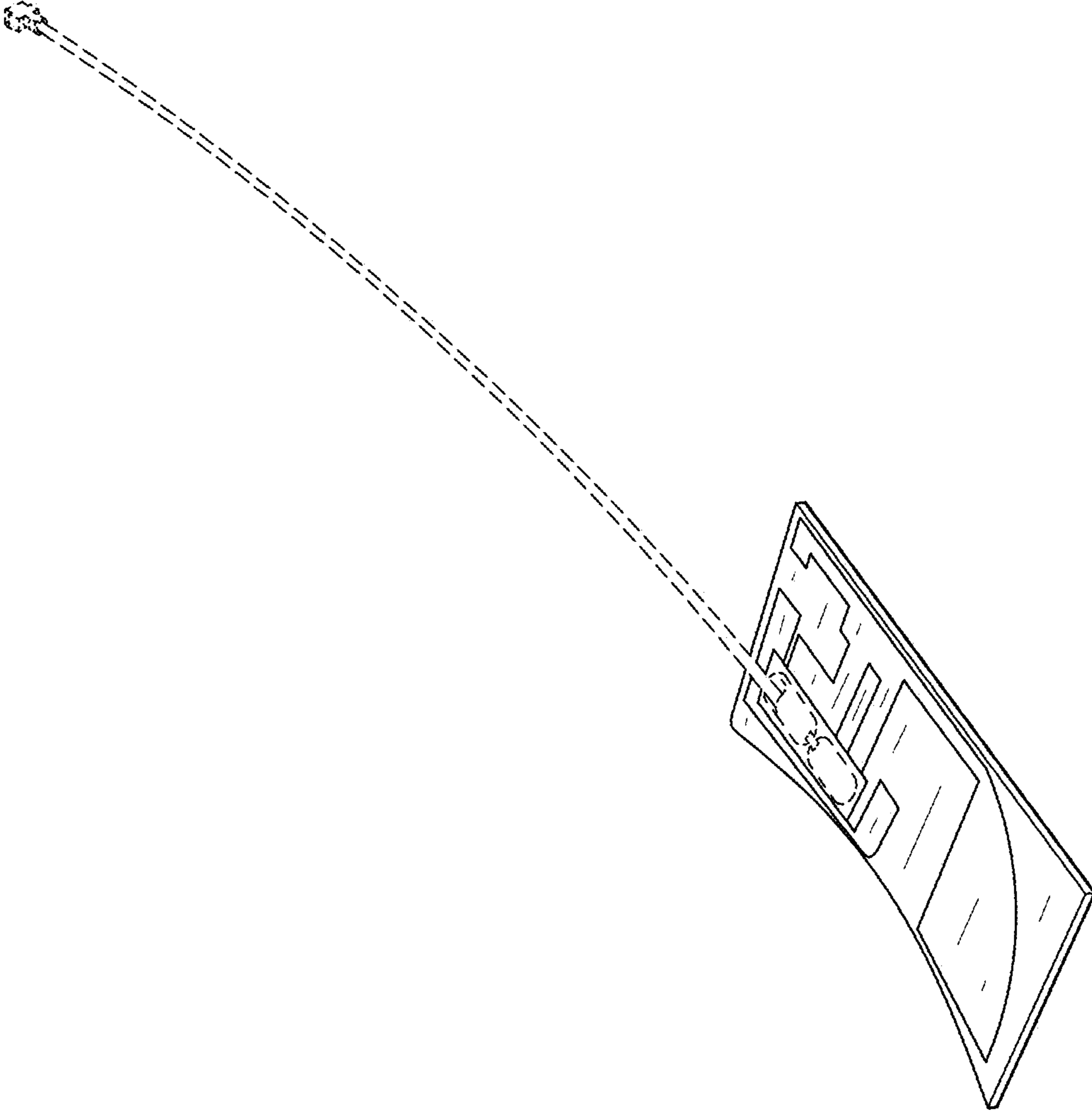


FIG. 2

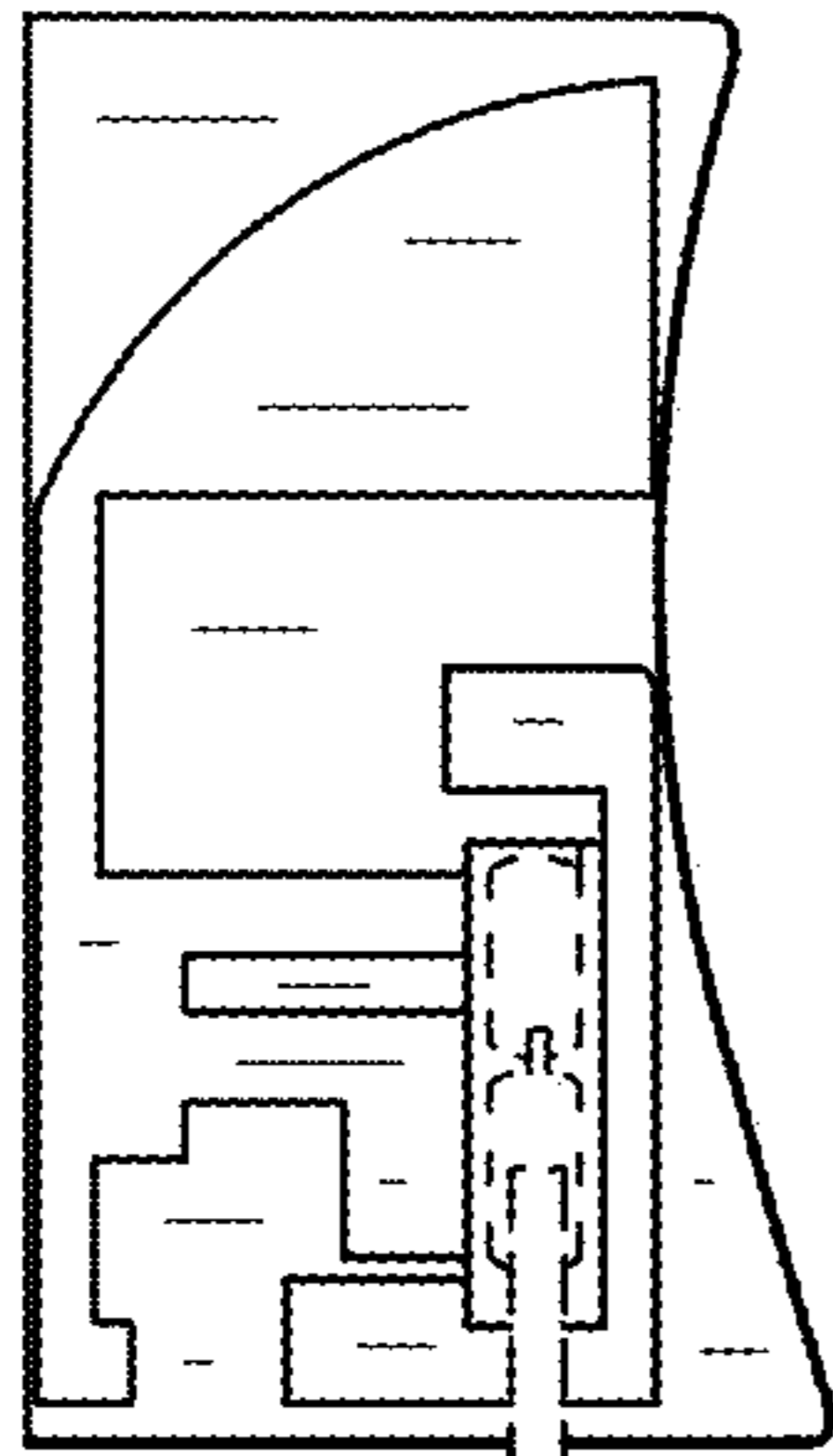


FIG. 2

FIG. 3

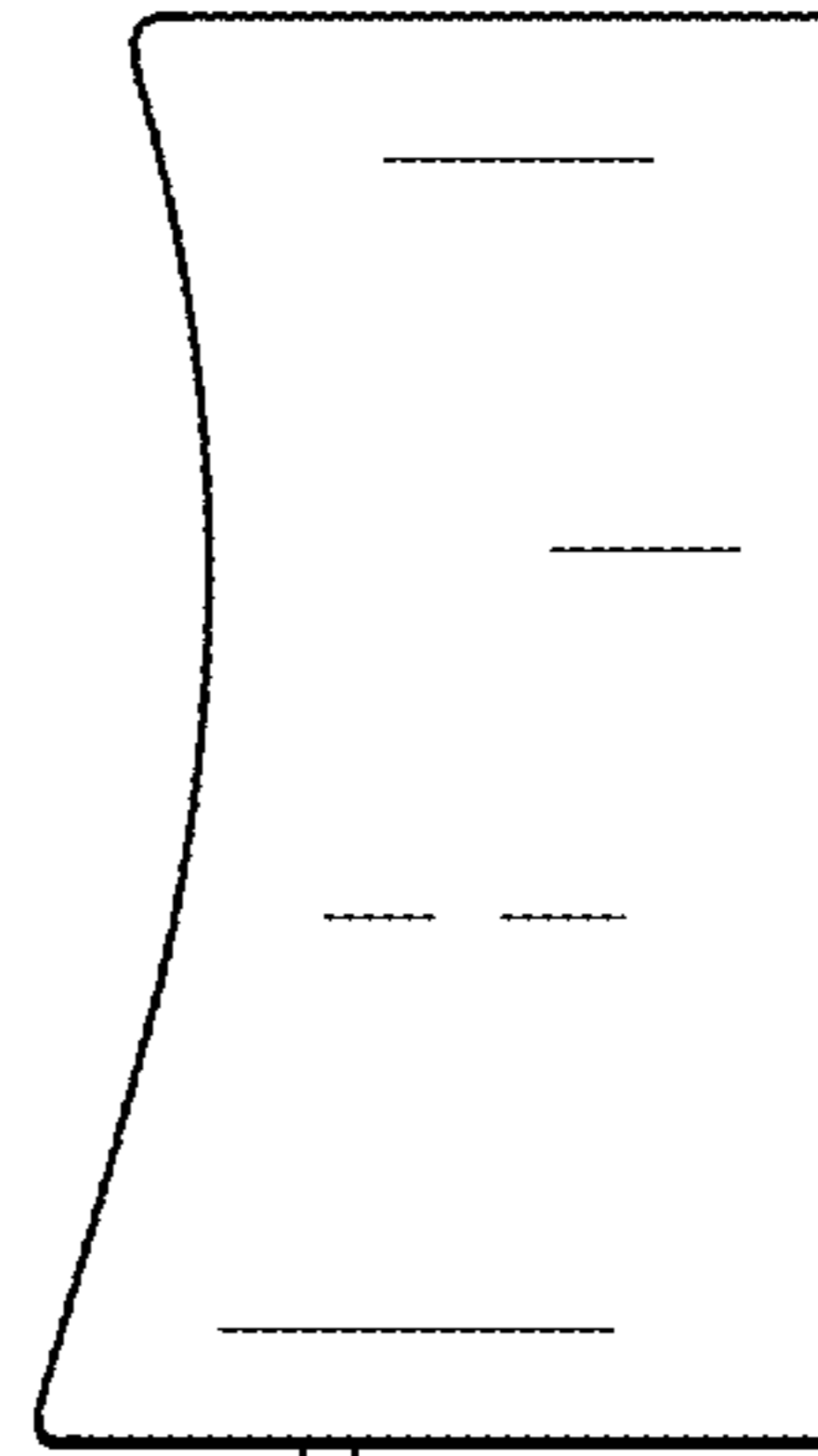


FIG. 3

FIG. 4

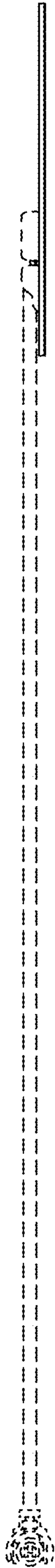


FIG. 5

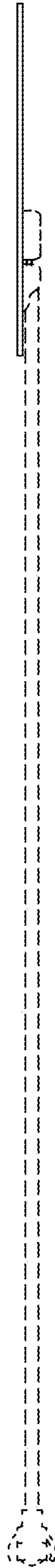


FIG. 6

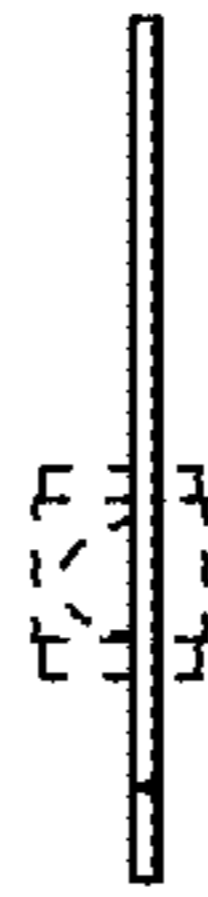


FIG. 7

