



US00D824028S

(12) **United States Design Patent** (10) **Patent No.:** **US D824,028 S**
Alinsod et al. (45) **Date of Patent:** **** Jul. 24, 2018**

- (54) **RADIOFREQUENCY TREATMENT PROBE FOR TREATING VAGINAL LAXITY**
- (71) Applicant: **ThermiGen, LLC**, Southlake, TX (US)
- (72) Inventors: **Red Alinsod**, Laguna Beach, CA (US); **Paul R. Herchman, Jr.**, Grapevine, TX (US); **Kevin D. O'Brien**, Coppell, TX (US)
- (73) Assignee: **THERMIGEN, LLC**, Southlake, TX (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/601,592**
- (22) Filed: **Apr. 24, 2017**

Related U.S. Application Data

- (63) Continuation of application No. 14/641,435, filed on Mar. 9, 2015, which is a continuation-in-part of application No. 14/591,002, filed on Jan. 7, 2015.
- (51) **LOC (11) Cl.** **24-02**
- (52) **U.S. Cl.**
USPC **D24/144**
- (58) **Field of Classification Search**
USPC D24/144, 146, 141, 133, 107
CPC A61N 1/0524; A61N 1/05; A61B 18/1485;
A61B 18/14; A61B 18/04; A61B 18/08;
A61B 18/082; A61B 2018/00559; A61B
2018/00523
See application file for complete search history.

References Cited

U.S. PATENT DOCUMENTS

- 4,693,244 A * 9/1987 Daikuzono A61B 18/22
606/16
- 4,823,814 A 4/1989 Drogendijk et al.

- 5,103,804 A * 4/1992 Abele A61B 18/08
600/104
- 5,143,063 A 9/1992 Fellner
- 5,611,768 A 3/1997 Tutrone
- 5,771,899 A 6/1998 Martelly et al.
- 5,843,078 A 12/1998 Sharkey
- 5,894,842 A 4/1999 Rabin et al.
- 6,158,435 A 12/2000 Dorsey
- 6,189,535 B1 2/2001 Enhorning
- 6,241,753 B1 6/2001 Knowlton
- 6,383,184 B1 5/2002 Sharkey
- D493,531 S * 7/2004 Padain D24/144
- 6,836,688 B2 12/2004 Ingle et al.
- 6,840,954 B2 1/2005 Dietz et al.
- 6,882,885 B2 4/2005 Levy et al.
- 7,094,252 B2 8/2006 Koop

(Continued)

OTHER PUBLICATIONS

Dmochoski, R. et al. "Transvaginal Radio Frequency Treatment of the Endopelvic Fascia: a Prospective Evaluation for the Treatment of Genuine Stress Urinary Incontinence" J. Urol. vol. 169, Issue 3, pp. 1028-1032 (2003).

(Continued)

Primary Examiner — Wan Laymon

(74) *Attorney, Agent, or Firm* — Hoxie & Associates LLC

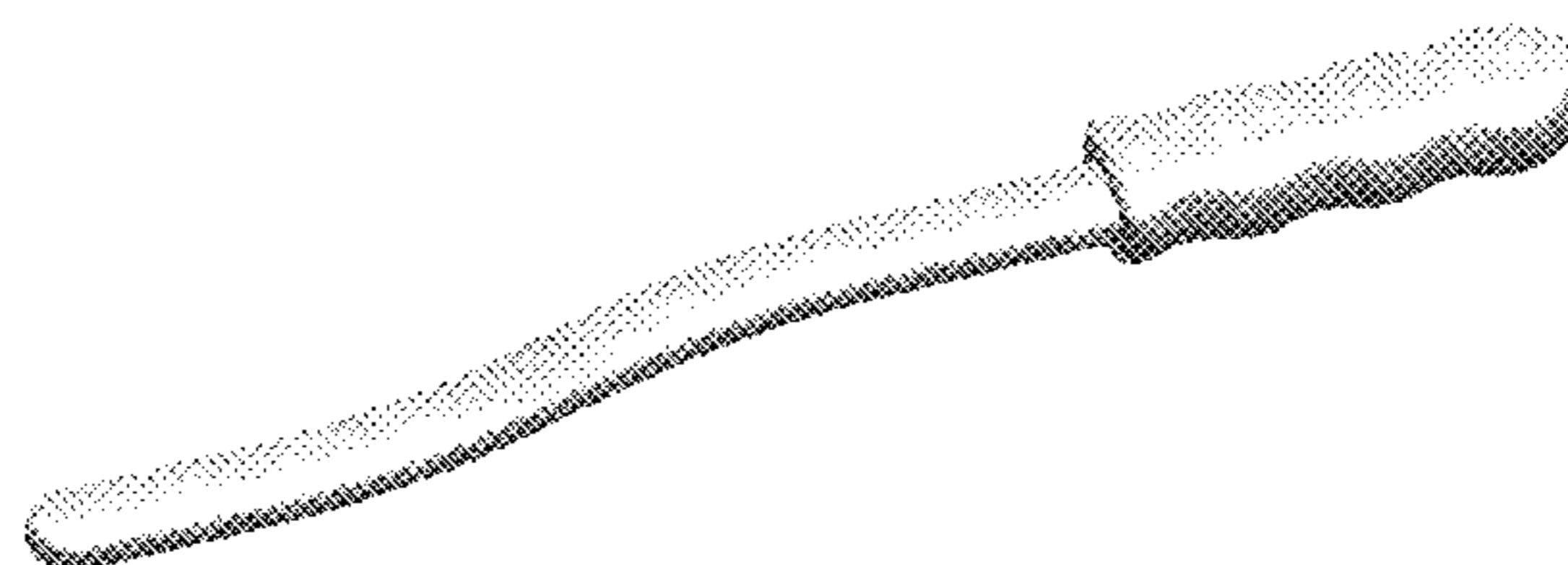
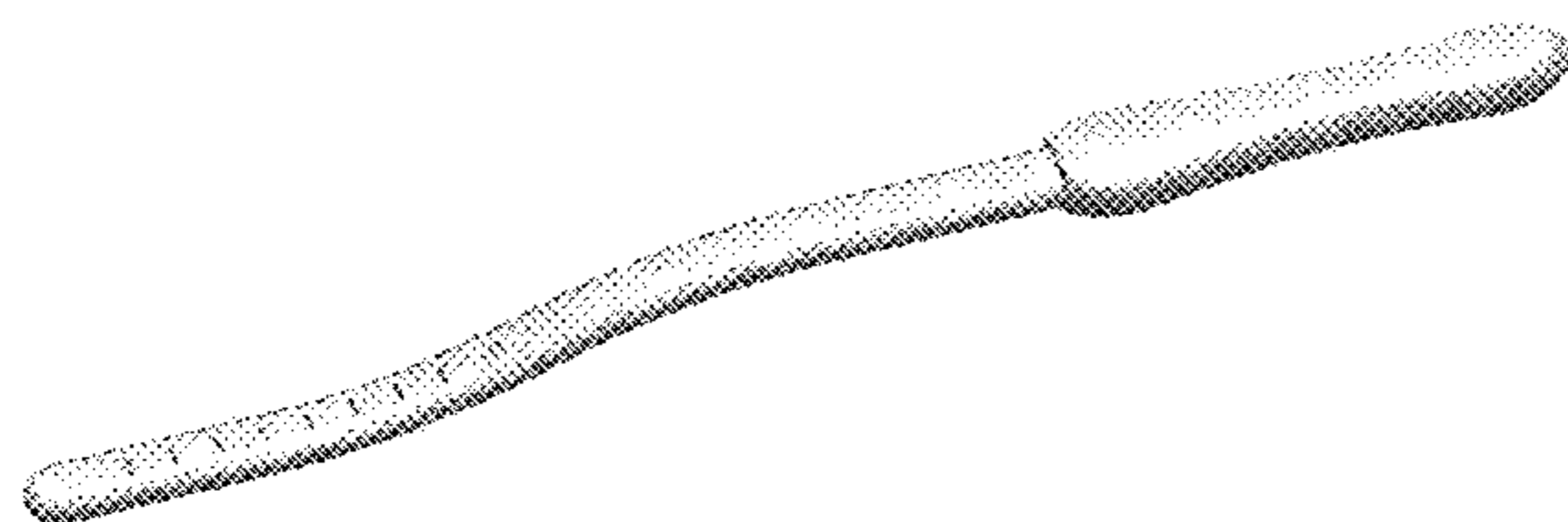
(57) **CLAIM**

The ornamental design for a radiofrequency treatment probe for treating vaginal laxity, as shown and described.

DESCRIPTION

FIG. 1 illustrates a front, side perspective view of a radiofrequency treatment probe for treating vaginal laxity in accordance with a first embodiment of the present disclosure; and, FIG. 2 illustrates a front, side perspective view of a second embodiment in accordance with the present disclosure.

1 Claim, 1 Drawing Sheet



(56)

References Cited

U.S. PATENT DOCUMENTS

7,167,757 B2 1/2007 Ingle et al.
7,695,489 B2* 4/2010 Brockman A61N 1/0524
482/121
8,103,355 B2 1/2012 Mulholland
8,317,782 B1 11/2012 Ellman et al.
8,845,630 B2 9/2014 Mehta et al.
8,961,511 B2 2/2015 Parmer
9,095,351 B2 8/2015 Sachs et al.
9,095,357 B2 8/2015 Manstein
9,345,874 B2* 5/2016 Bozzarelli A61N 1/0524
9,415,235 B2 8/2016 Galen et al.
9,468,774 B2 10/2016 Zarsky et al.
9,498,282 B2* 11/2016 Fernald A61B 18/1485
2012/0271206 A1 10/2012 Shalev et al.
2013/0245728 A1 9/2013 Galen et al.
2014/0148878 A1 5/2014 Khatri

OTHER PUBLICATIONS

Zelickson, B. et al. "Histological and Ultrastructural Evaluation of the Effects of a Radiofrequency-Based Nonablative Dermal Remodeling Device", JAMA, vol. 140, p. 204-209, (2004).

* cited by examiner

Fig. 1

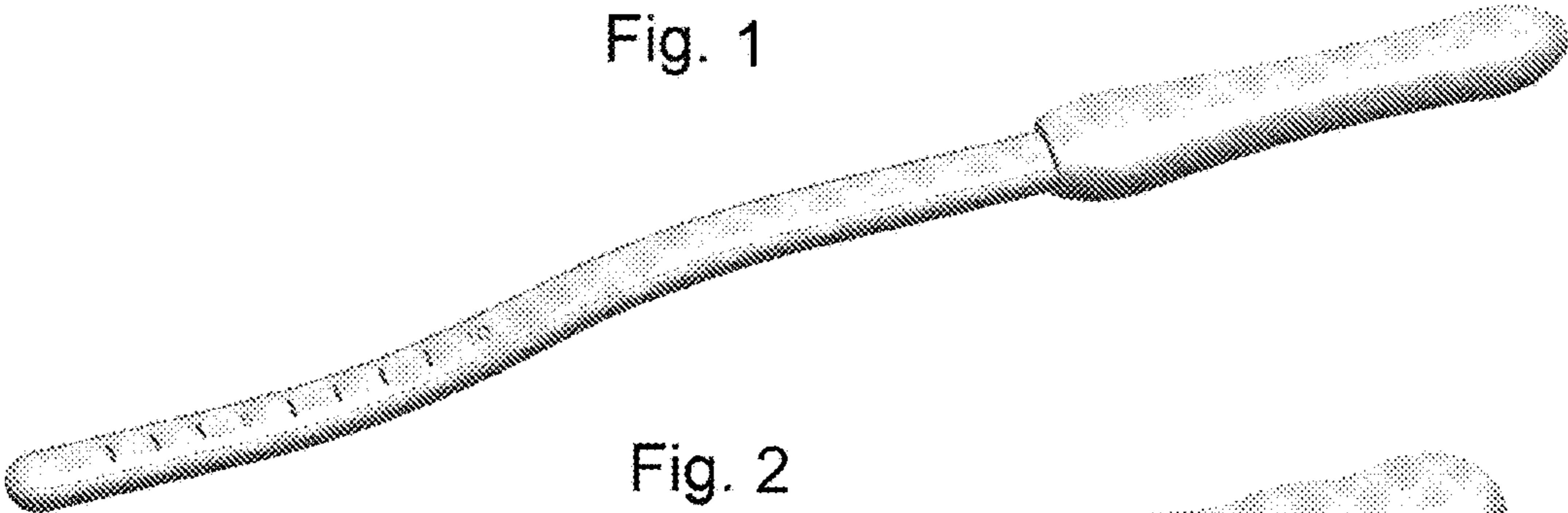
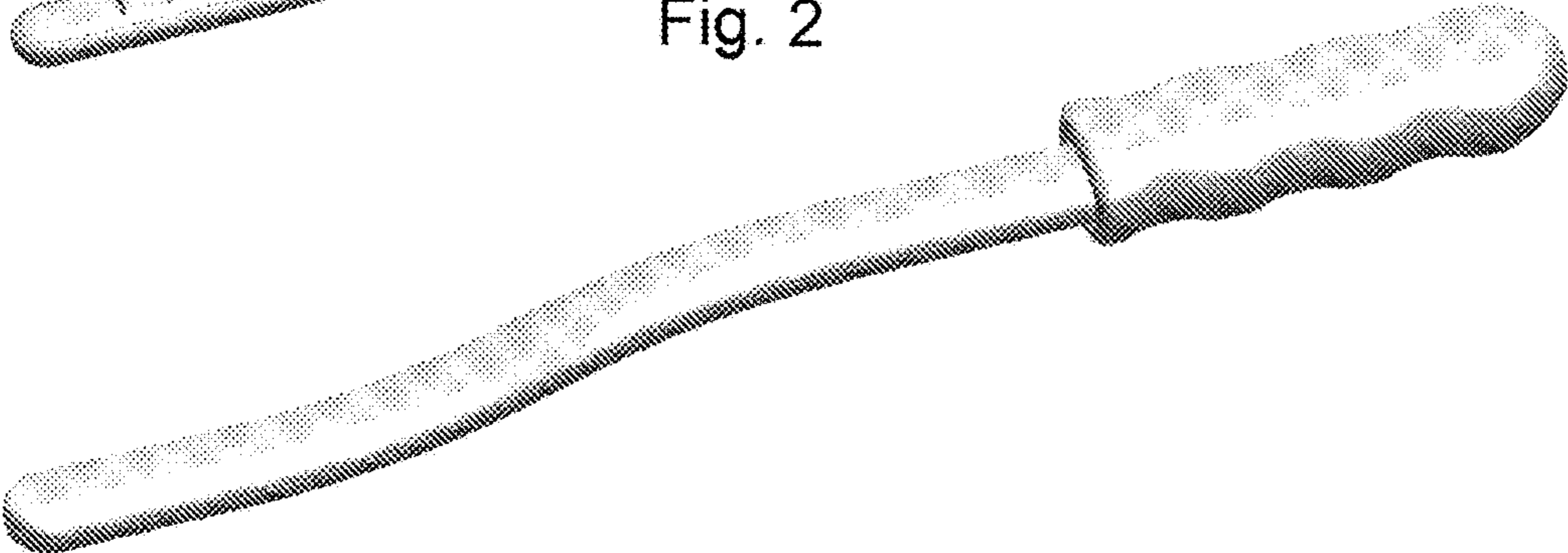


Fig. 2



UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : D824,028 S
APPLICATION NO. : 29/601592
DATED : July 24, 2018
INVENTOR(S) : Red Alinsod et al.

Page 1 of 1


It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page

Add:

(60) Provisional application No. 61/982,590, filed on April 22, 2014.

Signed and Sealed this
Second Day of October, 2018



Andrei Iancu
Director of the United States Patent and Trademark Office