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(12) **United States Design Patent**  
**Appelbaum et al.**(10) **Patent No.:** **US D733,873 S**  
(45) **Date of Patent:** **\*\* Jul. 7, 2015**(54) **PROBE HOLDER**(71) Applicant: **Novian Health Inc.**, Chicago, IL (US)(72) Inventors: **Henry R. Appelbaum**, Chicago, IL (US); **William F. Graveman**, Tonganoxie, KS (US); **Julian Itzcovitz**, Neuilly sur Seine (FR)(73) Assignee: **Novian Health Inc.**, Chicago, IL (US)(\*\*\*) Term: **14 Years**(21) Appl. No.: **29/454,169**(22) Filed: **May 7, 2013**(51) LOC (10) Cl. .... **24-02**

(52) U.S. Cl.

USPC ..... **D24/128**(58) **Field of Classification Search**USPC ..... D24/201–205; 601/6, 15, 64, 157–158,  
601/30–32; 604/21; 600/407

See application file for complete search history.

(56) **References Cited**

## U.S. PATENT DOCUMENTS

1,968,997 A	8/1934	Drucker
2,189,989 A	2/1940	Lichtman
3,753,657 A	8/1973	Downing et al.
4,222,375 A	9/1980	Martinez
4,402,311 A	9/1983	Hattori
4,559,942 A	12/1985	Eisenberg
4,616,656 A	10/1986	Nicholson et al.
4,662,368 A	5/1987	Hussein et al.
4,665,927 A	5/1987	Daily
4,681,122 A	7/1987	Winters et al.
4,744,627 A	5/1988	Chande et al.
4,773,413 A	9/1988	Hussein et al.
4,774,948 A	10/1988	Markham
4,776,334 A	10/1988	Prionas

4,819,630 A 4/1989 Dehart  
4,880,122 A 11/1989 Martindell  
4,883,062 A 11/1989 Nicholson

(Continued)

## FOREIGN PATENT DOCUMENTS

DE 2826383 12/1979  
JP 2001148280 9/1989

(Continued)

## OTHER PUBLICATIONS

Dowlatshahi, Kambiz, MD., et al. "Stereotactically Guided Laser Therapy of Occult Breast Tumors," published by Arch Surg in Nov. 2000.

(Continued)

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(57) **CLAIM**

The ornamental design for a probe holder, as shown and described herein.

## DESCRIPTION

FIG. 1 is a front perspective view of a probe holder of our new design;

FIG. 2 is a front view of the probe holder;

FIG. 3 is a rear view of the probe holder;

FIG. 4 is a right side view of the probe holder;

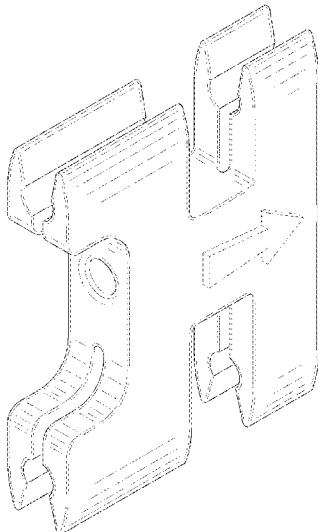
FIG. 5 is a left side view of the probe holder;

FIG. 6 is a top plan view of the probe holder; and,

FIG. 7 is a bottom plan view of the probe holder.

The broken lines shown in FIGS. 1-7 illustrate portions of the probe holder that form no part of the claimed design.

## 1 Claim, 5 Drawing Sheets



(56)

**References Cited**

## U.S. PATENT DOCUMENTS

4,890,898 A	1/1990	Bentley et al.	6,928,672 B2	8/2005	Pasty et al.
4,920,978 A	5/1990	Colvin	7,041,109 B2	5/2006	Dowlatshahi
4,931,059 A	6/1990	Markham	7,074,233 B1	7/2006	Gowda et al.
4,932,934 A	6/1990	Dougherty	7,171,253 B2	1/2007	Dowlatshahi
4,946,440 A	8/1990	Hall	7,270,656 B2	9/2007	Gowda et al.
4,950,267 A	8/1990	Ishihara et al.	7,274,847 B2	9/2007	Gowda et al.
4,952,146 A	8/1990	Doty	8,092,507 B2	1/2012	Tomasello et al.
4,957,481 A	9/1990	Gatenby	D700,321 S *	2/2014	Strong .....
4,959,063 A	9/1990	Kojima	D700,970 S *	3/2014	Kim .....
4,961,422 A	10/1990	Marchosky et al.	D709,753 S *	7/2014	Guala .....
D311,954 S *	11/1990	Kamen .....	D713,525 S *	9/2014	Oguro et al. ....
4,967,765 A	11/1990	Turner et al.	D715,925 S *	10/2014	Suzuki et al. ....
5,019,075 A	5/1991	Spears et al.	2002/0026127 A1	2/2002	Balbierz et al.
5,050,597 A	9/1991	Daikuzono	2003/0023236 A1	1/2003	Gowda et al.
5,059,197 A	10/1991	Urie et al.	2003/0060813 A1	3/2003	Loeb
5,061,265 A	10/1991	Abela et al.	2003/0236463 A1 *	12/2003	Mesaros et al. ....
5,078,142 A	1/1992	Siczek et al.	2004/0215101 A1	10/2004	Rioux et al.
5,125,925 A	6/1992	Lundahl	2005/0113641 A1	5/2005	Bala
5,127,916 A	7/1992	Spencer et al.	2005/0165287 A1	7/2005	Wescott, III
5,129,896 A	7/1992	Hasson	2005/0169596 A1	8/2005	Hamasaki et al.
5,150,704 A	9/1992	Tatebayashi et al.	2006/0095096 A1	5/2006	DeBenedictis et al.
5,158,084 A	10/1992	Ghiatus	2006/0104593 A1	5/2006	Gowda et al.
5,169,396 A	12/1992	Dowlatshahi et al.	2006/0155298 A1	7/2006	Mueller et al.
5,178,148 A	1/1993	Lacoste et al.	2006/0217693 A1	9/2006	Gowda et al.
5,178,164 A	1/1993	Allen	2006/0241727 A1	10/2006	Dowlatshahi
5,195,526 A	3/1993	Michelson	2007/0100229 A1	5/2007	Dowlatshahi
5,222,953 A	6/1993	Dowlatshahi	2007/0119738 A1	5/2007	Clegg et al.
5,234,426 A	8/1993	Rank et al.	2007/0219544 A1	9/2007	Gowda et al.
5,242,437 A	9/1993	Everett et al.	2008/0015560 A1	1/2008	Gowda et al.
5,312,392 A	5/1994	Hofstetter et al.	2008/0114340 A1	5/2008	Fox et al.
5,323,779 A	6/1994	Hardy et al.	2009/0036982 A1 *	2/2009	Aharoni et al. ....
5,330,517 A	7/1994	Mordon et al.			623/6.12
5,386,447 A	1/1995	Siczek			
5,396,897 A	3/1995	Jain et al.			
5,398,899 A	3/1995	Austin et al.			
RE34,936 E	5/1995	Campbell et al.			
5,460,066 A	10/1995	Dennstedt			
5,505,203 A	4/1996	Deitrich et al.			
5,520,182 A	5/1996	Leighton et al.			
5,569,240 A	10/1996	Dowlatshahi et al.			
D375,450 S *	11/1996	Bidwell et al. ....	D8/356		
5,615,430 A	4/1997	Nambu et al.			
5,620,479 A	4/1997	Diederich			
D391,838 S *	3/1998	Bidwell et al. ....	D8/356		
5,735,264 A	4/1998	Siczek et al.			
D397,790 S *	9/1998	Naganuma .....	D24/130		
5,813,985 A	9/1998	Carroll			
5,853,366 A	12/1998	Dowlatshahi			
5,954,711 A	9/1999	Ozaki et al.			
6,241,725 B1	6/2001	Cosman			
D452,314 S *	12/2001	Niermann .....	D24/112		
6,456,684 B1	9/2002	Mun et al.			
6,500,343 B2	12/2002	Siddiqi			
6,551,302 B1	4/2003	Rosinko et al.			
6,569,176 B2	5/2003	Jesseph			
6,603,988 B2	8/2003	Dowlatshahi			
6,701,175 B2	3/2004	Dowlatshahi			
6,755,849 B1	6/2004	Gowda et al.			
6,865,412 B2	3/2005	Dowlatshahi			

## FOREIGN PATENT DOCUMENTS

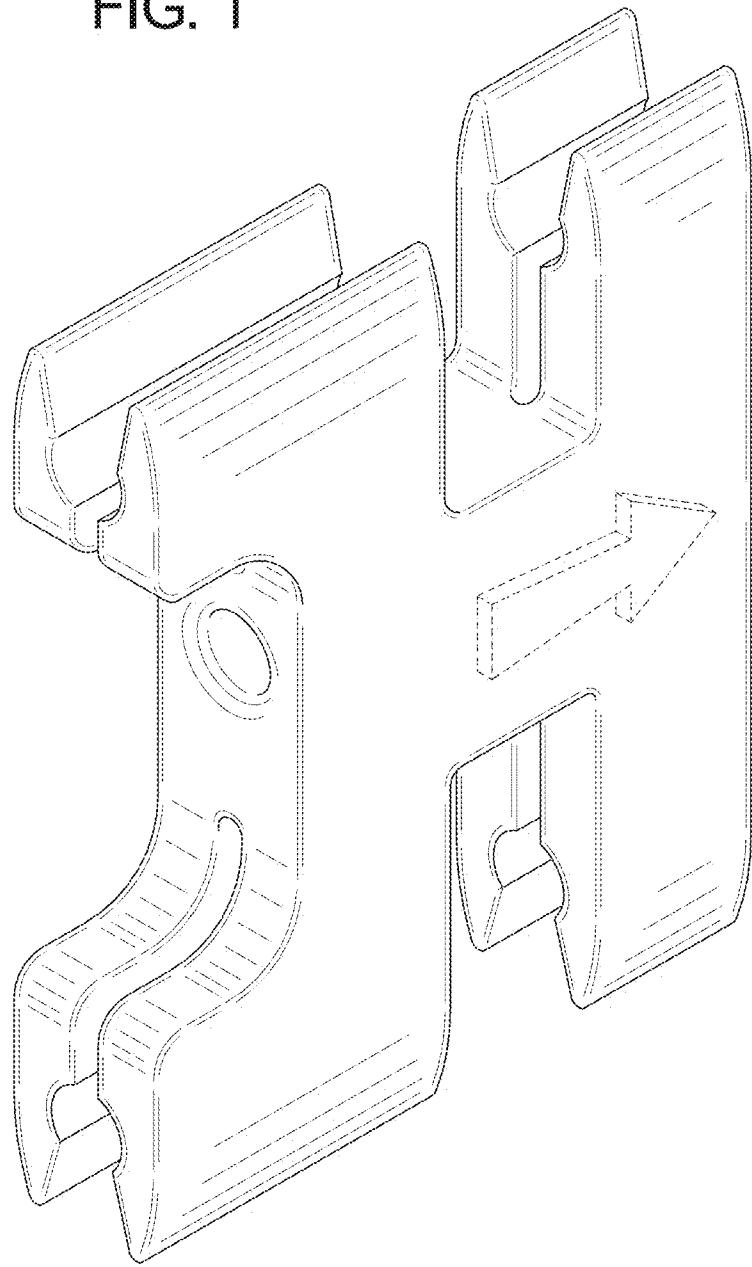
WO	WO8704611	8/1987
WO	WO0013603	3/2000
WO	WO0059394	10/2000
WO	WO03011160	2/2003
WO	WO2005046753	5/2005
WO	WO2006055554	5/2006

## OTHER PUBLICATIONS

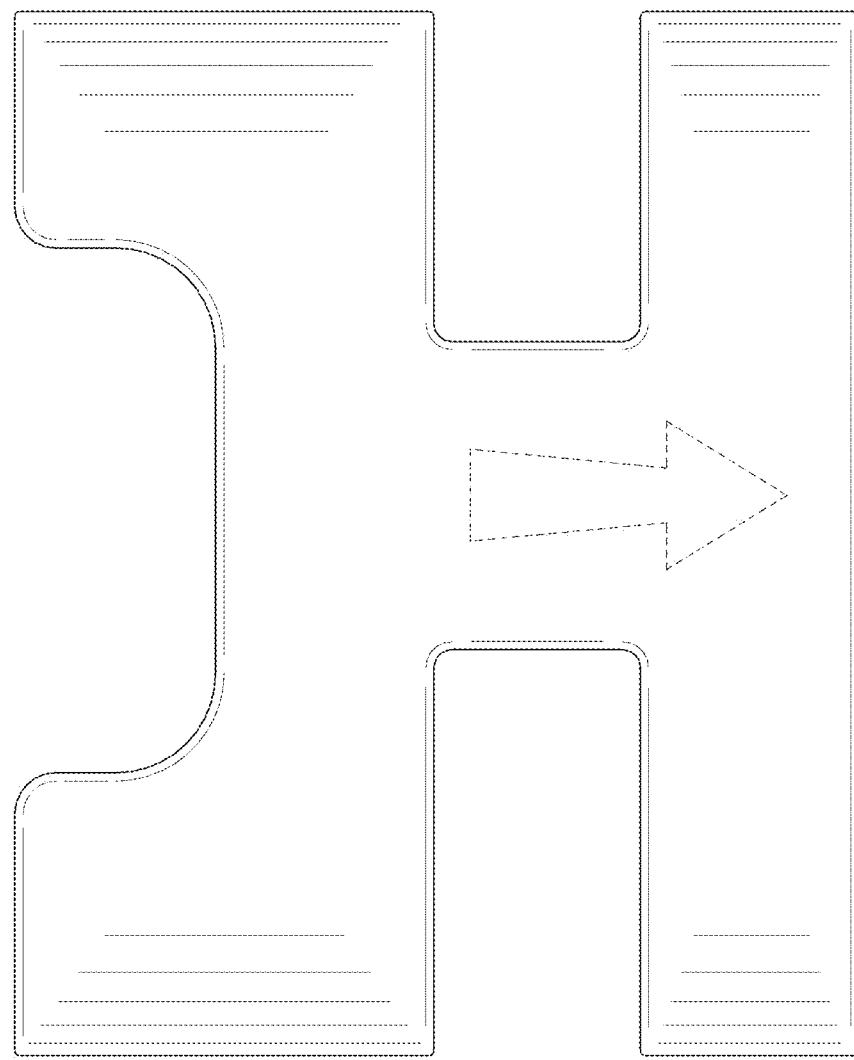
- Dowlatshahi, Kambiz, MD., "Laser Therapy of Small Breast Cancers." Presented at the Third Annual Meeting of the American Society of Breast Surgeons, Apr. 24-28, 2002. 152-166.
- Dowlatshahi, Kambiz, MD., "Interstitial Laser Treatment of Small Breast Cancers," *Lasers in Medicine, Surgery, and Dentistry*. 2003. 677-689.
- Dowlatshahi, Kambiz, MD., et al. "Laser Therapy of Breast Cancer with 3-Year Follow-up." *The Breast Journal*, vol. 10, No. 3, 2004. 240-243.
- Dowlatshahi, Kambiz, MD., "Shift in the Surgical Treatment of Non-Palpable Breast Cancer: Tactile to Visual." *Rush University Medical Center. Breast Cancer Online* <http://www.bco.org>, Oct. 9, 2005, 1-10.
- Kelsey. "Revolutionizing Breast Treatment with Interstitial Laser Therapy." May 2003. 1-22.
- Kelsey. "Revolutionizing Breast Treatment with Interstitial Laser Therapy." Feb. 2005. 1-18.

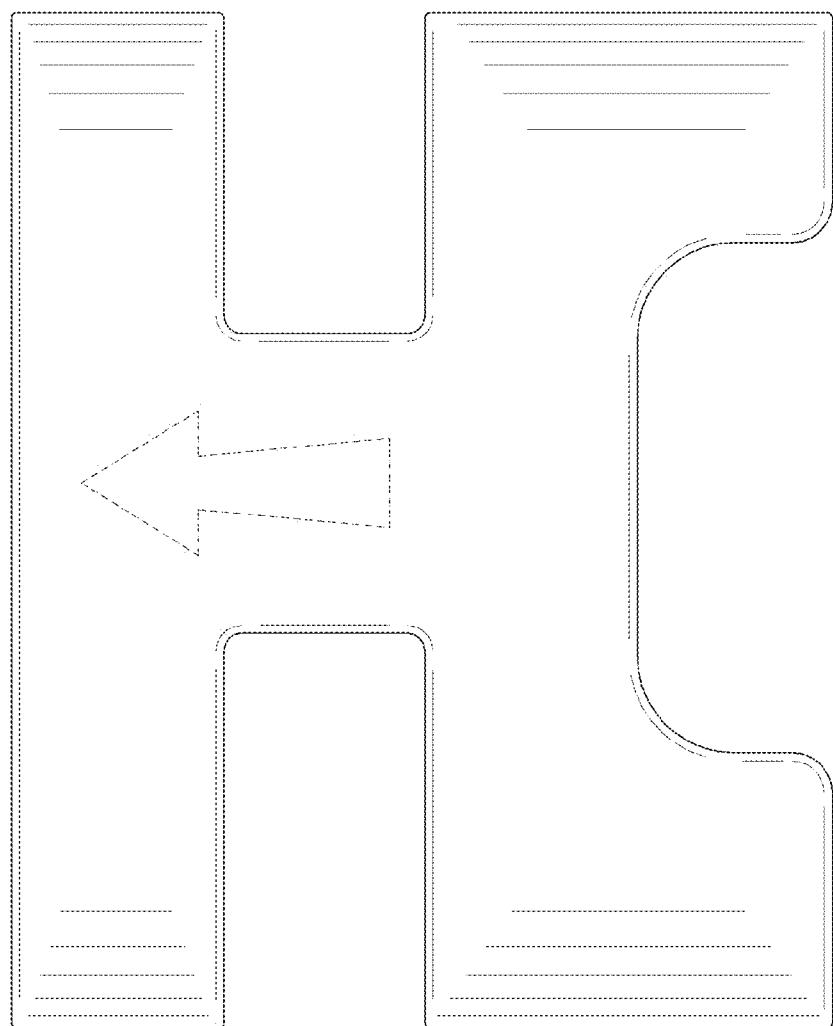
\* cited by examiner

**FIG. 1**

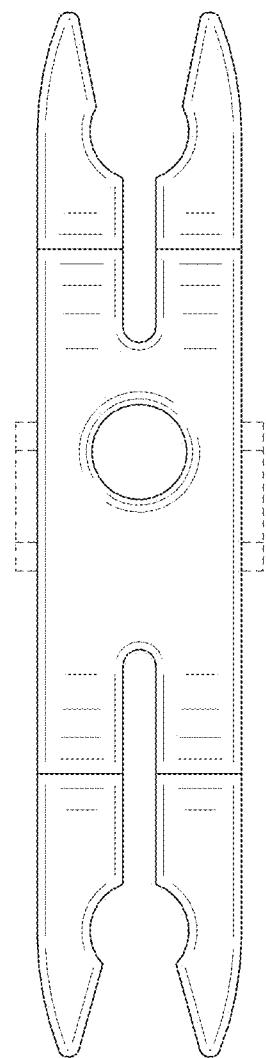


**FIG. 2**

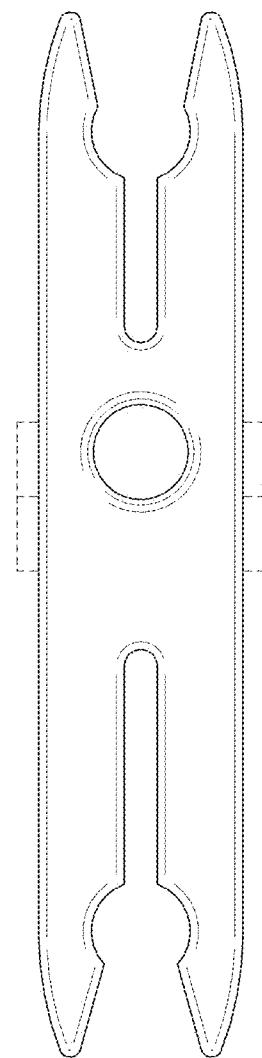


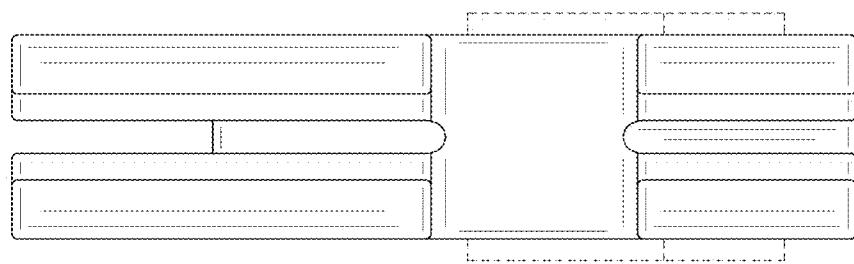
**FIG. 3**

**FIG. 4**



**FIG. 5**



**FIG. 6****FIG. 7**