



US0D1089679S

(12)

United States Design Patent

Ryan et al.

(10)

Patent No.:

US D1,089,679 S

(45)

Date of Patent:

** Aug. 19, 2025

(54) MULTI-SPOT LASER PROBE HANDPIECE

FOREIGN PATENT DOCUMENTS

(71) Applicant: **Alcon Inc.**, Fribourg (CH)
(72) Inventors: **Timothy C. Ryan**, Laguna Hills, CA (US); **Arun Kushalad**, Lake Forest, CA (US)

EM 015036672-0001 * 10/2023
GB 6317816 * 10/2023

(Continued)

(73) Assignee: **Alcon Inc.**, Fribourg (CH)

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

(21) Appl. No.: **29/877,760**

(22) Filed: **Jun. 12, 2023**

(51) **LOC (15) Cl.** **24-01**

(52) **U.S. Cl.** **D24/209**
USPC **D24/209**

(58) **Field of Classification Search**
USPC D24/209, 133, 150, 210, 158, 171, 189, D24/190, 191, 200, 231
CPC A61B 18/00; A61B 18/203; A61B 3/0008; A61B 1/00165; A61F 9/00736; A61F 9/008; A61F 2009/00863
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,015,403 A	1/2000	Jones	
6,066,128 A	5/2000	Bahmanyar et al.	
7,566,173 B2	7/2009	Auld et al.	
8,496,331 B2	7/2013	Smith	
8,968,347 B2	3/2015	McCollam	
8,992,021 B2	3/2015	Smith	
9,278,027 B2	3/2016	Sussman	
10,245,181 B2	4/2019	Diao	
10,537,472 B2	1/2020	Brennan	
11,344,449 B2	5/2022	Cook et al.	
D1,039,687 S *	8/2024	Nelsen	D24/133
2006/0173446 A1	8/2006	Dacquay et al.	

(Continued)

OTHER PUBLICATIONS

Vektor™ Articulating Illuminated Laser Probe | Alcon Professional, posted date unavailable [retrieved online Apr. 1, 2025]. Retrieved from internet, <https://www.myalcon.com/professional/vitreoretinal-surgery/laser-and-laser-probes/vektor/> (Year: 2025).*

(Continued)

Primary Examiner — Justin M Jonaitis

Assistant Examiner — Samantha K Pollack

(57) **CLAIM**

The ornamental design of a multi-spot laser probe handpiece as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of the multi-spot laser probe handpiece of the present invention.

FIG. 2 is a right side view of the multi-spot laser probe handpiece of the present invention.

FIG. 3 is a left side view of the multi-spot laser probe handpiece of the present invention.

FIG. 4 is a top view of the multi-spot laser probe handpiece of the present invention.

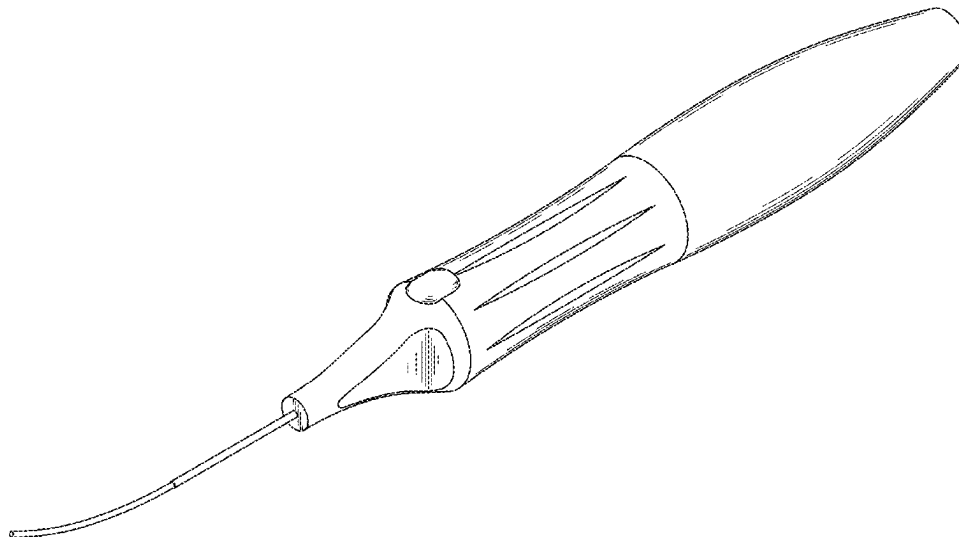
FIG. 5 is a bottom view of the multi-spot laser probe handpiece of the present invention.

FIG. 6 is a front view of the multi-spot laser probe handpiece of the present invention; and,

FIG. 7 is a rear view of the multi-spot laser probe handpiece of the present invention.

The broken lines in the drawings illustrate portions of the multi-spot laser probe handpiece that form no part of the claimed design.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2008/0004608	A1	1/2008	Dacquay	
2010/0318074	A1	12/2010	Dacquay	
2012/0191078	A1	7/2012	Yadlowsky	
2022/0104969	A1 *	4/2022	Reyes	A61F 9/00763
2022/0192706	A1 *	6/2022	Grueebler	A61F 9/00763
2022/0192873	A1	6/2022	Heuser et al.	
2023/0098330	A1 *	3/2023	Pournaras	A61F 9/00736
				606/107
2024/0189149	A1 *	6/2024	Hallen	A61F 9/00825
2024/0197526	A1 *	6/2024	Grüebler	A61B 17/30
2024/0197527	A1 *	6/2024	Grüebler	A61F 9/00736

FOREIGN PATENT DOCUMENTS

GB	6325622	*	12/2023
WO	9915120	A1	4/1999
WO	2011102870	A1	8/2011

OTHER PUBLICATIONS

LumeProbe-Endo-Photocoagulation Laser Probes, posted date unavailable [retrieved online Apr. 1, 2025]. Retrieved from internet, <https://lumenis.com/vision/products/surgical-probes/> (Year: 2025).*

Illuminated Directional—Bausch Surgical, posted date unavailable [retrieved online Apr. 1, 2025]. Retrieved from internet, <https://www.bauschsurgical.com/retina/illuminated-directional/> (Year: 2025).*

Laser Probes—Vortex Vitreoretinal Single-Use Instruments—Single-Use Instruments & Knives—Products, posted date unavailable [retrieved online Apr. 1, 2025]. Retrieved from internet, <https://corzaeye.com/products/single-use-instruments/vortex-vitreoretinal-single-use-instruments/laser-probes> (Year: 2025).*

Alcon Surgical Retina Product Catalog, 2019 (36 pages).

* cited by examiner

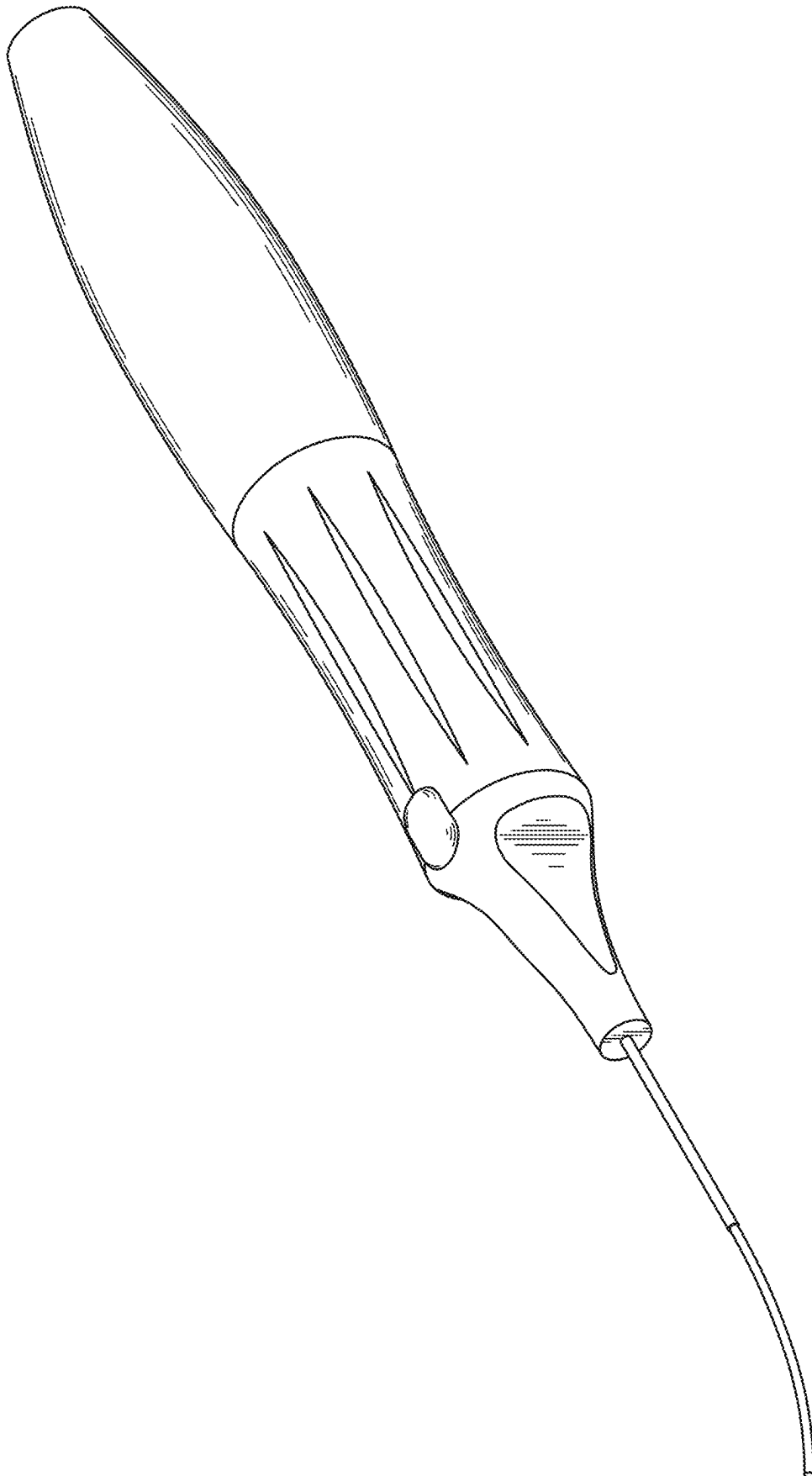


FIG. 1

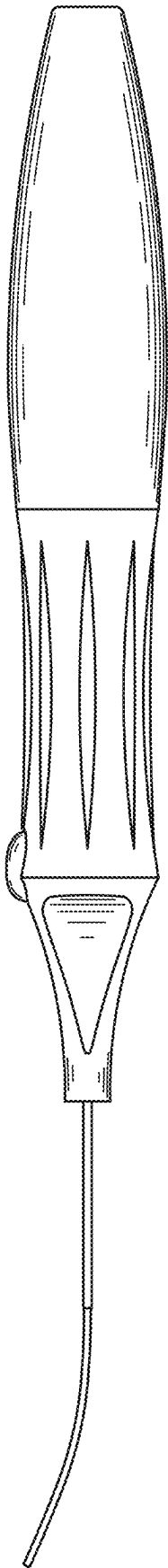


FIG. 2

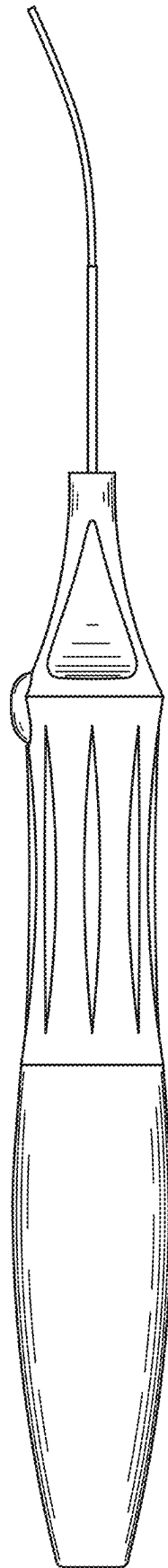


FIG. 3

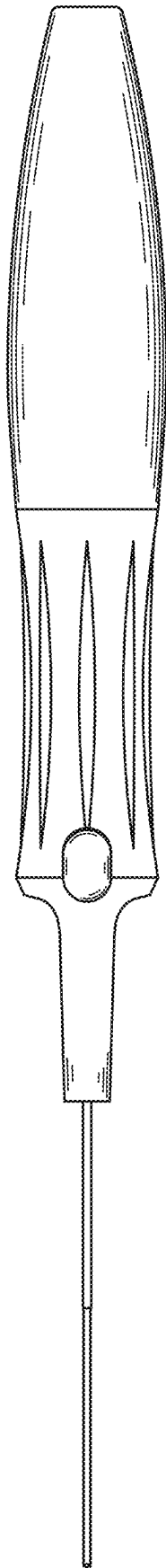


FIG. 4

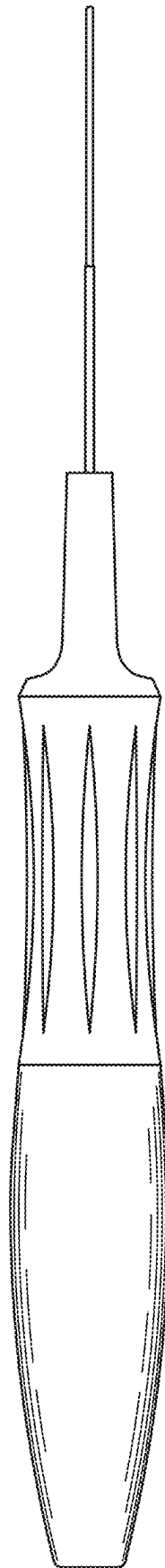


FIG. 5

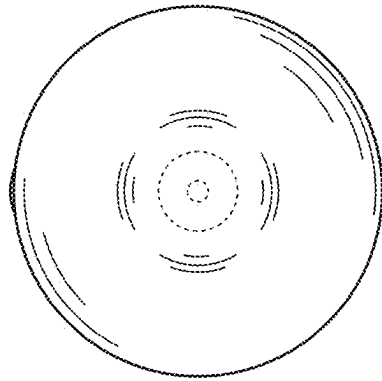


FIG. 7

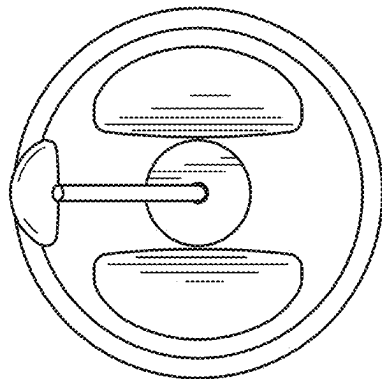


FIG. 6