

US0D1089368S

(12) United States Design Patent (10) Patent No.:

Nguyen et al.

(10) Patent No.: US D1,089,368 S

(45) Date of Patent: ** Aug. 19, 2025

(54) OPTICAL FILTER HOLDER AND ADAPTER

(71) Applicant: **Alume Biosciences, Inc.**, San Diego, CA (US)

(72) Inventors: Quyen Nguyen, San Diego, CA (US);

Brett Berman, San Diego, CA (US); Karl Johnson, San Diego, CA (US)

(73) Assignee: ALUME BIOSCIENCES, INC., San

Diego, CA (US)

(**) Term: 15 Years

(21) Appl. No.: 29/762,470

(22) Filed: Dec. 16, 2020

(51) LOC (15) Cl. 16-06

(52) U.S. Cl.

USPC **D16/330**

(58) Field of Classification Search

USPC D16/135, 309, 330, 334, 336, 130, 133,

D16/136

(Continued)

(56) References Cited

U.S. PATENT DOCUMENTS

2,389,428 A * 11/1945 Glasser G02B 7/002 351/118 2,986,969 A * 6/1961 Muncheryan G02B 25/004 351/49

(Continued)

FOREIGN PATENT DOCUMENTS

EM 000684790-0001 * 3/2007 EM 002647958-0001 * 3/2015

OTHER PUBLICATIONS

Ultra View Mini Dental Surgical TTL Loupes, product availability unknown [online], no video/pictured review [online], [site visited

Dec. 28, 2024]:URL:https://www.loupedirect.com/ultra-view-minidental-surgical-ttl-loupes-3-5x-super-light-large-field.html (Year: 2024).*

(Continued)

Primary Examiner — Holly E Thurman Assistant Examiner — Loryn K. Leblanc

(74) Attorney, Agent, or Firm — Seed IP Law Group LLP

(57) CLAIM

The ornamental design for an optical filter holder and adapter as shown and described.

DESCRIPTION

FIG. 1 is a top isometric view of an optical filter holder and adapter, showing an embodiment of our new design.

FIG. 2 is a bottom isometric view thereof.

FIG. 3 is a front elevational view thereof.

FIG. 4 is a rear elevational view thereof.

FIG. 5 is a right side elevational view thereof.

FIG. 6 is a left side elevational view thereof.

FIG. 7 is a top plan view thereof.

FIG. 8 is a bottom plan view thereof.

FIG. 9 is a top isometric view of an optical filter holder and adapter, showing another embodiment of our new design, which is a mirror image of the optical filter holder and adapter shown in FIGS. 1-8.

FIG. 10 is a bottom isometric view thereof.

FIG. 11 is a front elevational view thereof.

FIG. 12 is a rear elevational view thereof.

FIG. 13 is a left side elevational view thereof.

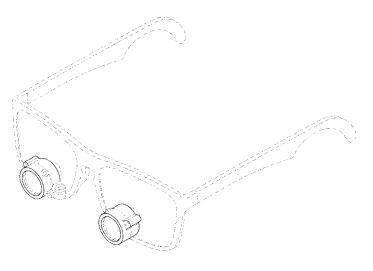
FIG. 14 is a right side elevational view thereof.

FIG. 15 is a top plan view thereof.

FIG. 16 is a bottom plan view thereof; and,

FIG. 17 is an isometric view of a pair of optical filter holder and adapters, according to the embodiments above, shown with surrounding environment.

The broken lines shown in the figures depict portions of the optical filter holder and adapter that form no part of the (Continued)



claimed design. The additional broken lines only seen in FIG. 17 depict environment and form no part of the claimed design.

1 Claim, 17 Drawing Sheets

(58)	Field of Classification Search						
	CPC G02B 23/18; G02B 7/002; G02B 25/004;						
	G02C 7/088; G02C 5/045						
	See application file for complete search history.						

(56) References Cited

U.S. PATENT DOCUMENTS

	~			m.
D234,007	S	*	12/1974	Ritter D16/130
4,097,141	Α	*	6/1978	Warner G02B 17/08
				359/534
D259,263	S	*	5/1981	Baysdon D16/130
D296,337		*	6/1988	Caplan D16/133
4,834,525		*	5/1989	Vansaghi G02B 7/002
.,,				351/158
D333,828	C	*	3/1993	Baldassarre D16/133
		*		
5,446,507	A	4	8/1995	Chang G02B 7/002
				351/158
D374,680	S	*	10/1996	Yang D16/133
5,667,291	Α	*	9/1997	Caplan G02B 7/002
0,001,231			27.222.	362/105
D207.000	~	٠.	44/400=	
D385,899		*	11/1997	Murphy D16/330
6,061,189	Α	*	5/2000	Caplan G02B 25/004
				351/158
6,799,847	B2	ajk	10/2004	Caplan G02C 7/088
, ,				351/158
D562,876	S	*	2/2008	Beate D16/330
D589,545	S		3/2009	Murphy et al.
D591,327	\mathbf{S}		4/2009	Krause-Bonte
D592,691	S		5/2009	Chang
D592,692	\mathbf{S}		5/2009	Chang
D592,693	S		5/2009	Chang
D597,585	S	aje	8/2009	Janik D16/330
D371,303			0,2009	Jank D10/330

D600,728	\mathbf{S}	9/2009	Braganca et al.
D617,825	S	6/2010	Chang
D621,982	S	8/2010	Feinbloom et al.
D628,307	S	11/2010	Krause-Bonte
D630,766	S	1/2011	Harbin
D635,286	S	3/2011	Schüssler
D669,512	\mathbf{S}	10/2012	Besse
D682,450	S	5/2013	Chang
D703,254	S *	4/2014	Sakata G02B 23/18
			D16/133
D706,474	S	6/2014	Ferguson
D713,575	\mathbf{S}	9/2014	Ferguson
D745,731	S	12/2015	Zimmerli et al.
D746,354	S	12/2015	Chang
D752,791	S	3/2016	Ferguson
D768,758	S	10/2016	Wiley et al.
9,465,235	B2 *	10/2016	Chang G02B 25/00
D788,209	\mathbf{S}	5/2017	Greene et al.
D827,890	S	9/2018	Mullani et al.
D844,159	S	3/2019	McKeown
D866,631	S	11/2019	Wiley et al.
D877,790		3/2020	Perry
D898,094		10/2020	Kwon et al.
2004/0017539	A1*	1/2004	Nagata G02C 7/088
			351/57
2013/0094081	A1*	4/2013	Chang G02B 23/18
			359/481
2016/0076747	A1*	3/2016	Lively A61B 1/00158
			362/183
2019/0384071	A1*	12/2019	Son G02C 5/001

OTHER PUBLICATIONS

Loupe operating glasses, product availability unknown [online], no video/pictured review [online], [site visited Dec. 28, 2024]:URL:https://www.thestoryoftexas.com/discover/artifacts/loupe-operating-glasses (Year: 2024).*

glasses> (Year: 2024)."
Loupes, product availability unknown [online], pictured review Mar. 19, 2023 [online], [site visited Dec. 28, 2024]:URL:https://www.amazon.com/gp/product/B018V46B4A/ref=sw_img_1?smid=A1QQVEOCVL468O&psc=1> (Year: 2023).*

^{*} cited by examiner

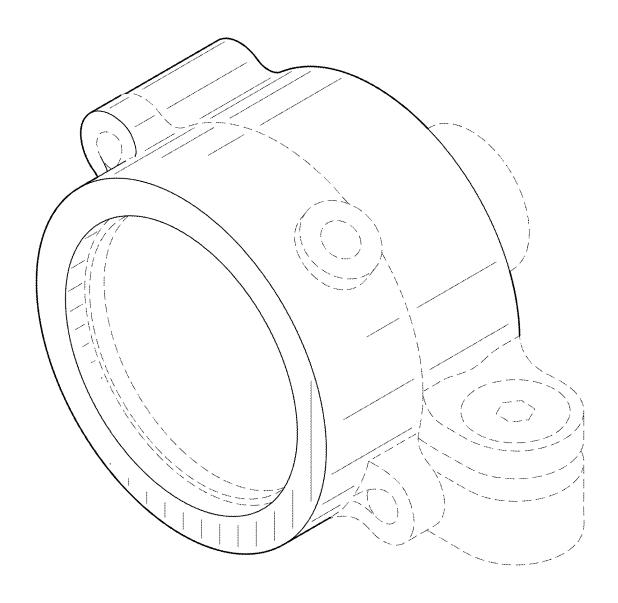


FIG. 1

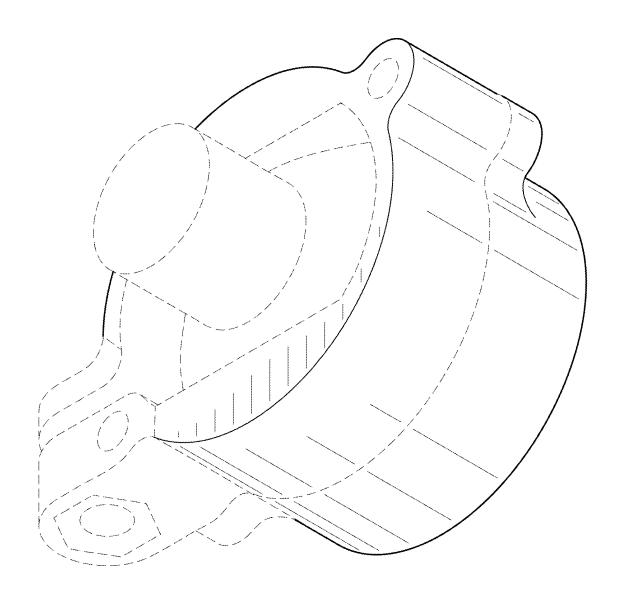


FIG. 2

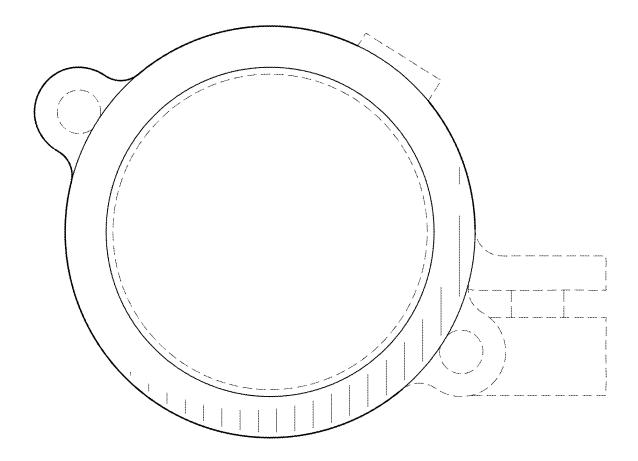


FIG. 3

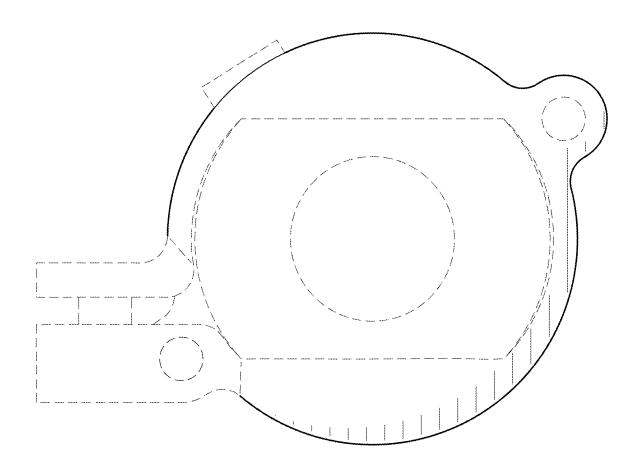


FIG. 4

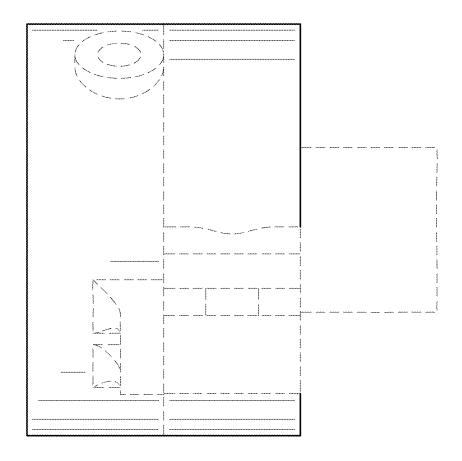


FIG. 5

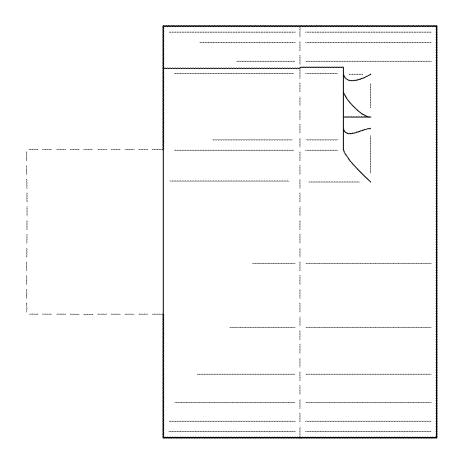


FIG. 6

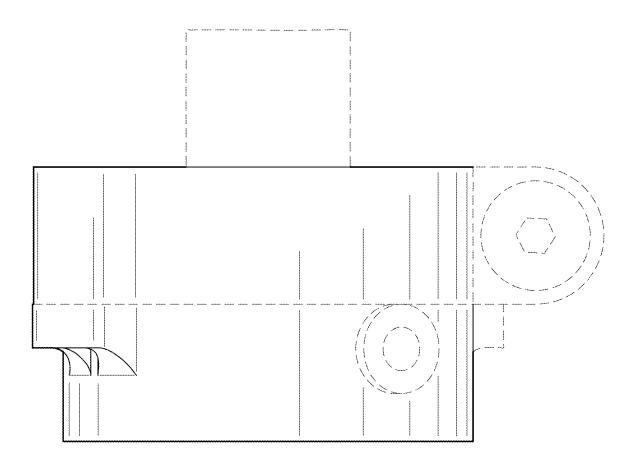


FIG. 7

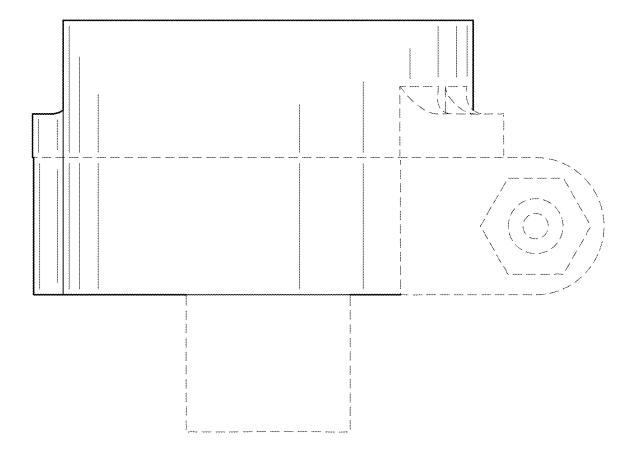


FIG. 8

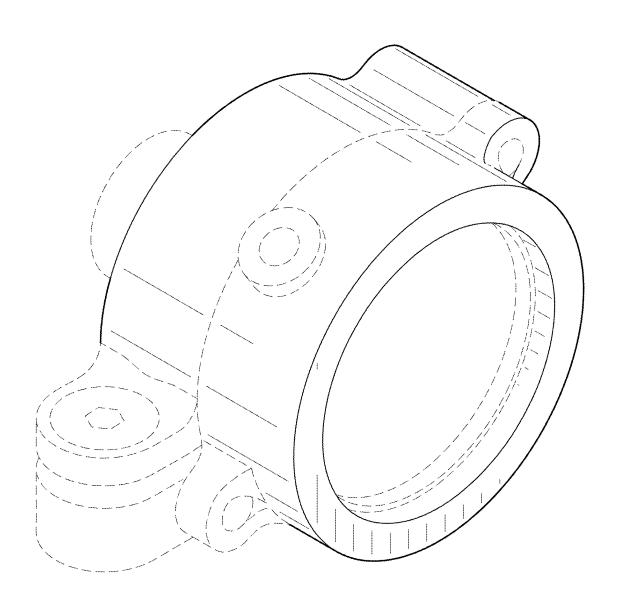


FIG. 9

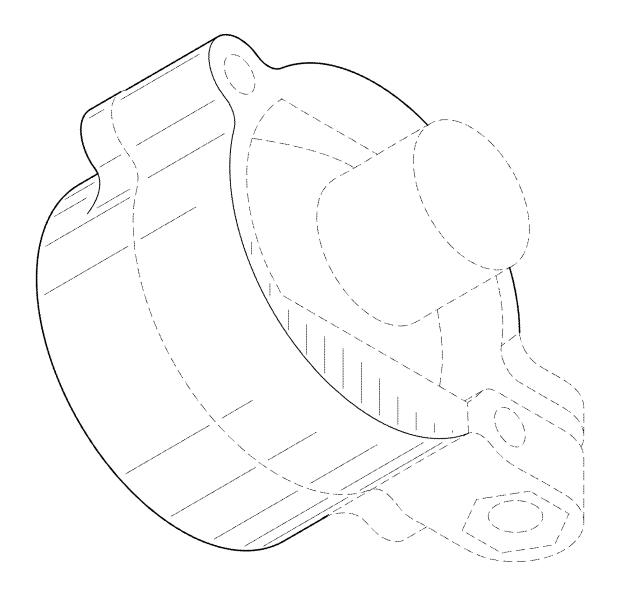


FIG. 10

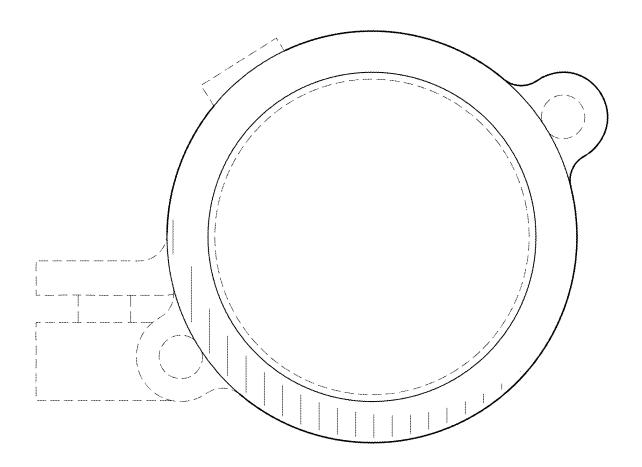


FIG. 11

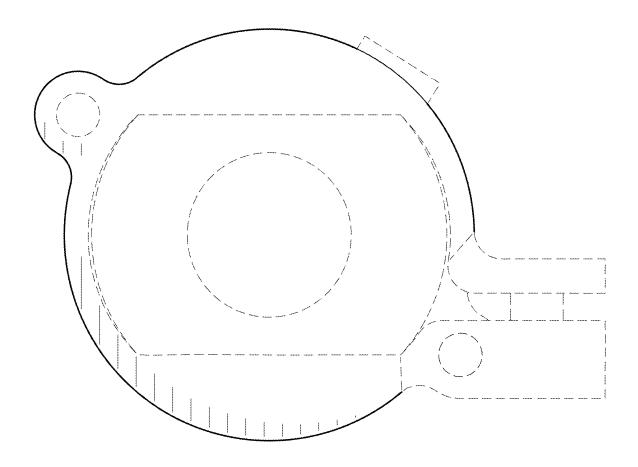


FIG. 12

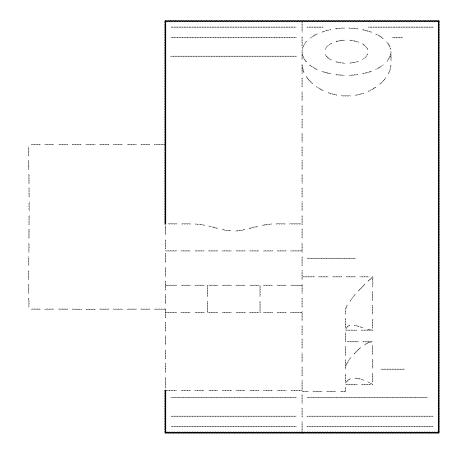


FIG. 13

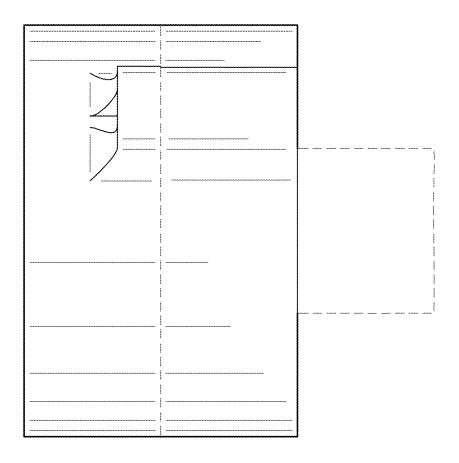


FIG. 14

US D1,089,368 S

Aug. 19, 2025

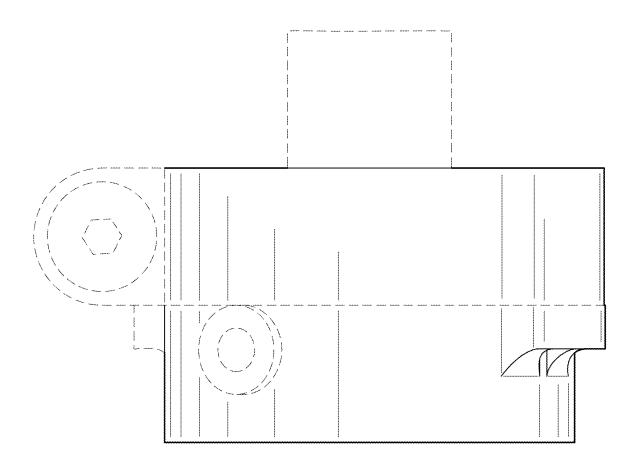


FIG. 15

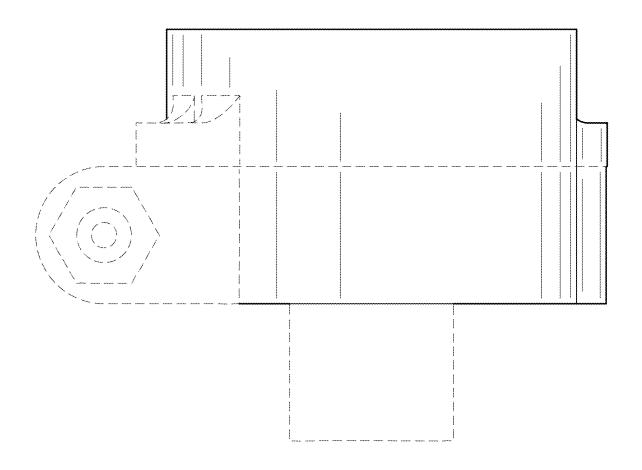


FIG. 16

