



US0D1088224S

(12) **United States Design Patent** (10) **Patent No.:** **US D1,088,224 S**
Schifano et al. (45) **Date of Patent:** **** Aug. 12, 2025**

(54) **SURGICAL CANNULA**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **Orthocision Inc.**, Folsom, CA (US)

CA 122280 3/2009
EP 3326540 3/2019

(72) Inventors: **Troy Schifano**, Morgantown, WV (US);
Steve Anderson, Folsom, CA (US)

OTHER PUBLICATIONS

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

Mpr-knee-cannula, posted at mprortho.com, posting date unavailable, retrieved Sep. 22, 2023, online, URL: <https://mprortho.com/product/mpr-knee-cannula-with-holes/> (Year: 2023).*

(21) Appl. No.: **29/763,946**

(Continued)

(22) Filed: **Dec. 27, 2020**

Related U.S. Application Data

(63) Continuation of application No. 14/668,976, filed on Mar. 25, 2015, now Pat. No. 10,993,757, which is a continuation-in-part of application No. 13/842,227, filed on Mar. 15, 2013, now Pat. No. 9,119,732.

(51) **LOC (15) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/112**

(58) **Field of Classification Search**

USPC D24/108, 110.6, 112–114, 127, 129, 130,
D24/133, 146, 147, 186, 231
CPC A61B 17/3421; A61B 17/3417; A61B
17/0482; A61B 17/06166; A61B
2017/0608

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,393,872 A 7/1983 Reznik et al.
RE31,855 E 3/1985 Osborne
D353,456 S 12/1994 Fayngold et al.
D378,699 S 4/1997 Niedospial et al.
5,649,946 A 7/1997 Bramlet
D387,425 S 12/1997 Niedospial et al.
5,782,861 A 7/1998 Cragg et al.
D397,217 S 8/1998 Brookfield

(Continued)

Primary Examiner — Jennifer L Rempfer

Assistant Examiner — Michelle Marquart Christeon

(74) *Attorney, Agent, or Firm* — Sierra IP Law, PC;
William K. Nelson

(57) **CLAIM**

The ornamental design for a surgical cannula as shown and described.

DESCRIPTION

FIG. 1 is a side view of a first side of an embodiment of the surgical cannula with the proximal end of the surgical cannula in an upward position;

FIG. 2 is a side view of a second side of the surgical cannula of FIG. 1;

FIG. 3 is a side view of a third side of the surgical cannula of FIG. 1;

FIG. 4 is a side view of a fourth side of the surgical cannula of FIG. 1;

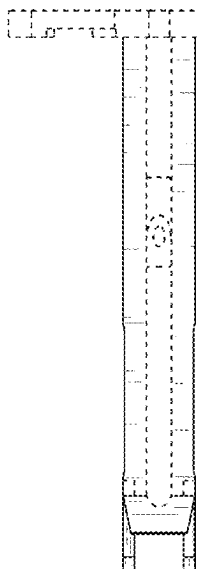
FIG. 5 is a view of the proximal end of the surgical cannula of FIG. 1;

FIG. 6 is a view of the distal end of the surgical cannula of FIG. 1; and,

FIG. 7 is a perspective view of the surgical cannula of FIG. 1.

The broken lines in the drawings illustrate portions of the surgical cannula which form no part of the claimed design.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

5,921,993	A	7/1999	Yoon	
6,004,302	A	12/1999	Brierley	
6,135,984	A	10/2000	Dishler	
D449,887	S *	10/2001	Haberland	D24/146
6,702,790	B1	3/2004	Ross	
6,758,824	B1	7/2004	Miller et al.	
6,945,964	B2	9/2005	Ross	
D533,270	S	12/2006	Kierce et al.	
D561,897	S *	2/2008	Vijfvinkel	D24/146
7,527,624	B2	5/2009	Dubnack	
D603,043	S	10/2009	Kreidler	
D625,805	S	10/2010	Hereford	
D642,261	S	7/2011	York et al.	
8,029,512	B2	10/2011	Paltzer	
D651,309	S	12/2011	Rowe et al.	
D673,670	S	1/2013	Linnenschmidt	
D674,084	S	1/2013	Linnenschmidt	
8,403,866	B2	3/2013	Seifert et al.	
D685,087	S	6/2013	Voic	
8,591,480	B2	11/2013	Marler	
D695,390	S	12/2013	Bruggeman	
8,668,705	B2	3/2014	Johnston et al.	
D704,334	S	5/2014	Walthall	
8,740,912	B2	6/2014	Stark	
8,771,236	B2	7/2014	Nagase et al.	
8,821,527	B2	9/2014	Farnan et al.	
8,882,818	B1	11/2014	Vestgaarden	
8,961,571	B2	2/2015	Lee et al.	
9,119,732	B2 *	9/2015	Schifano	A61B 17/8872
9,186,155	B2	11/2015	Katzman et al.	
D760,381	S	6/2016	Fox	
9,375,243	B1	6/2016	Vestgaarden	
9,381,045	B2	7/2016	Donner et al.	
D773,651	S *	12/2016	Chen	D24/113
9,895,176	B2	2/2018	Vestgaarden	
9,999,430	B2	6/2018	Hirsch et al.	
10,022,110	B2	7/2018	Stand et al.	
D827,133	S	8/2018	Grosser et al.	
10,045,842	B2	8/2018	Alexander et al.	
D828,549	S	9/2018	Gonzalez	
D828,551	S	9/2018	Zou et al.	
D832,423	S	10/2018	Ishida	
D833,606	S *	11/2018	Giraud	D24/130
D840,030	S	2/2019	Smith et al.	
10,219,841	B1	3/2019	Compton et al.	
10,342,577	B2	7/2019	Worrel	
10,426,539	B2 *	10/2019	Schifano	A61B 17/8605
D870,263	S	12/2019	Adams et al.	
D894,381	S	8/2020	Shaw et al.	
D905,232	S *	12/2020	Schifano	D24/112
10,893,861	B2	1/2021	Sauer	
10,993,757	B2 *	5/2021	Schifano	A61B 17/8605
D922,568	S *	6/2021	Schifano	D24/113
11,033,291	B2	6/2021	Bright	
11,083,511	B2 *	8/2021	Schifano	A61B 17/8605
11,229,430	B2	1/2022	Souls et al.	
D952,147	S	5/2022	Schifano et al.	
D954,940	S	6/2022	Vijayachandran et al.	
D972,137	S *	12/2022	Schifano	D24/147
D975,844	S *	1/2023	Hildinger	D24/112
2006/0129238	A1	6/2006	Paltzer	
2006/0287584	A1	12/2006	Garcia-Bengochia	
2009/0131986	A1	5/2009	Lee et al.	
2010/0268228	A1	10/2010	Petersen	
2012/0095560	A1	4/2012	Donner	
2012/0271351	A1 *	10/2012	Vestgaarden	A61B 17/7064 606/279
2013/0172736	A1	7/2013	Abdou	
2014/0257408	A1	9/2014	Trieu et al.	
2014/0277165	A1	9/2014	Katzman et al.	
2015/0250612	A1 *	9/2015	Schifano	A61B 17/1757 623/17.16
2016/0175113	A1	6/2016	Lins	
2016/0310197	A1	10/2016	Black et al.	
2022/0031306	A1 *	2/2022	Hassan	A61B 17/3421
2023/0076180	A1 *	3/2023	Schifano	A61F 2/4611
2024/0293232	A1 *	9/2024	Schifano	A61B 17/1615
2024/0341961	A1 *	10/2024	Schifano	A61B 17/1757

OTHER PUBLICATIONS

Smith & Nephew cannula, posted at www.shoulder-arthroscopy.co.uk, posting date unavailable, retrieved Sep. 22, 2023, online, URL: chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/http://www.shoulder-arthroscopy.co.uk/images/publications/1061531_C_CleartracComp_Final.pdf (Year: 2023).*

* cited by examiner

FIG. 1

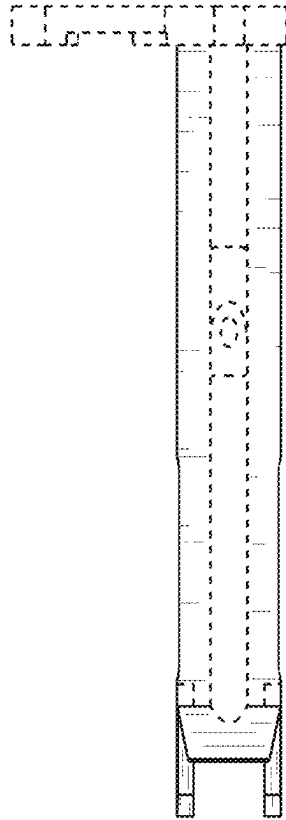
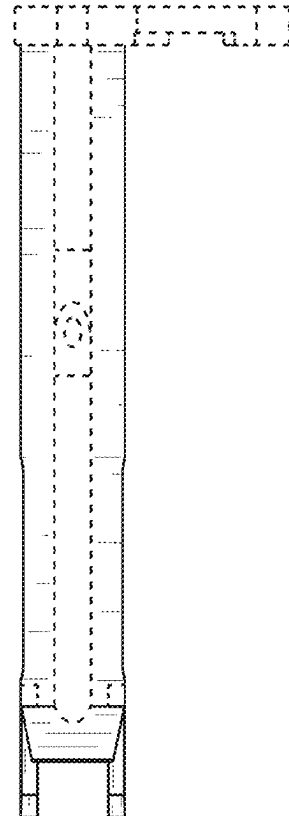


FIG. 2



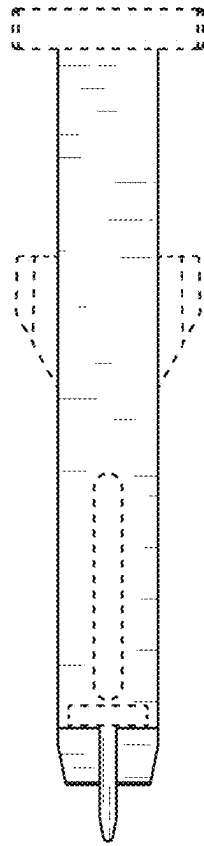


FIG. 3

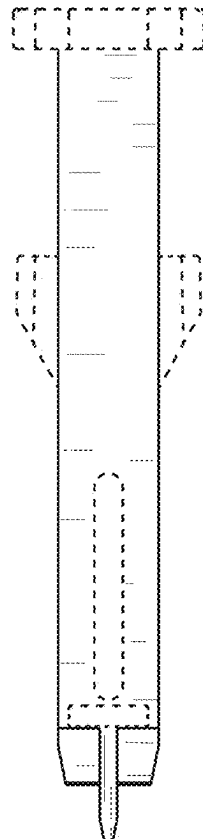


FIG. 4

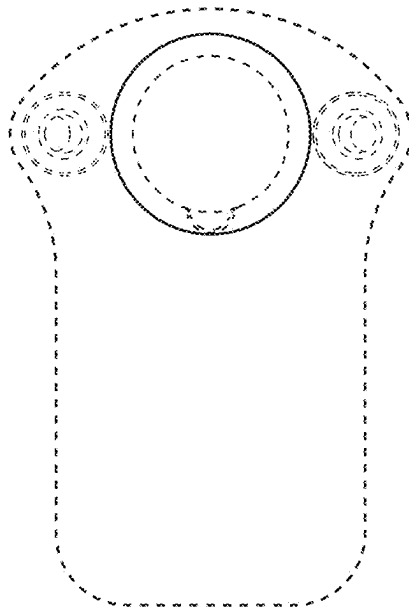


FIG. 5

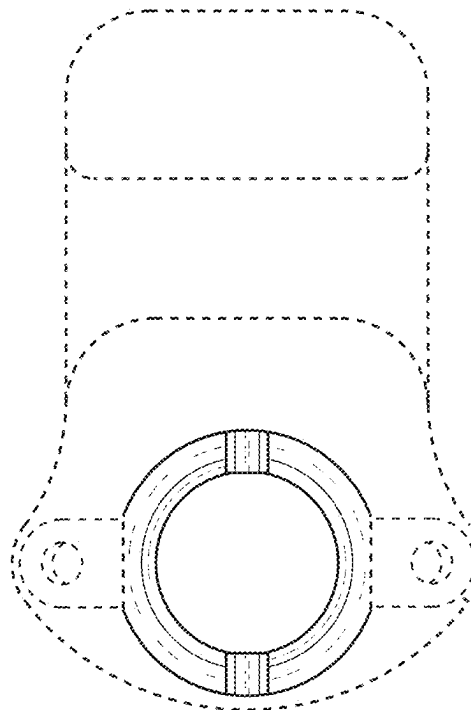


FIG. 6

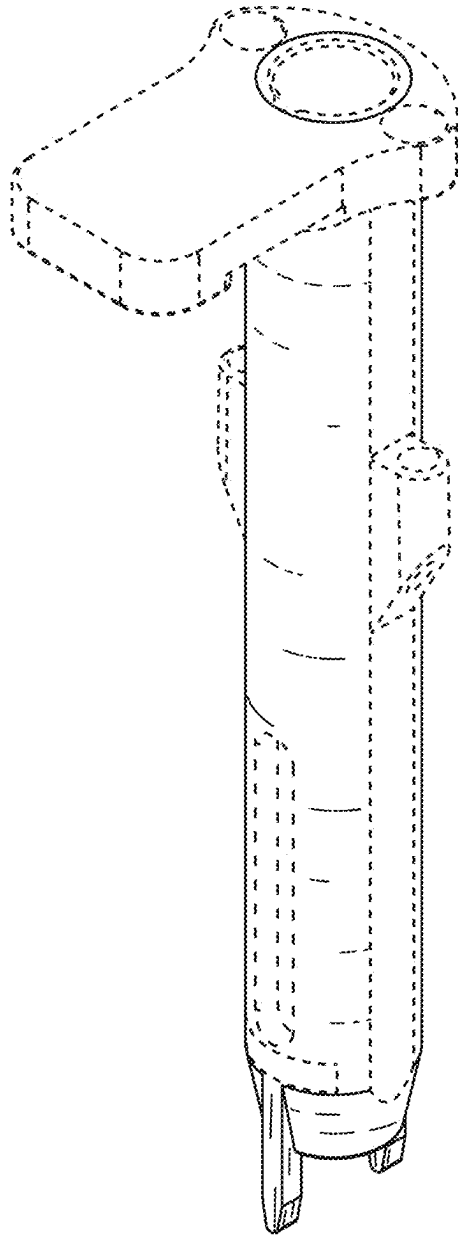


FIG. 7