



US00D961074S

(12) **United States Design Patent** (10) **Patent No.:** **US D961,074 S**
Pfeffer et al. (45) **Date of Patent:** **** Aug. 16, 2022**

(54) **SHAFT ATTACHABLE MEDICAL INSTRUMENT**
(71) Applicant: **KARL STORZ SE & CO. KG**, Tuttlingen (DE)
(72) Inventors: **Marian Pfeffer**, Tuttlingen (DE); **Ann-Kathrin Huber**, Tuttlingen (DE); **Daniel Kaercher**, Tuttlingen (DE); **Regis Besse**, Guyancourt (FR); **Yann Thouement**, Archamps (FR)
(73) Assignee: **KARL STORZ SE & Co. KG**, Tuttlingen (DE)
(**) Term: **15 Years**
(21) Appl. No.: **29/699,424**
(22) Filed: **Jul. 25, 2019**
(30) **Foreign Application Priority Data**

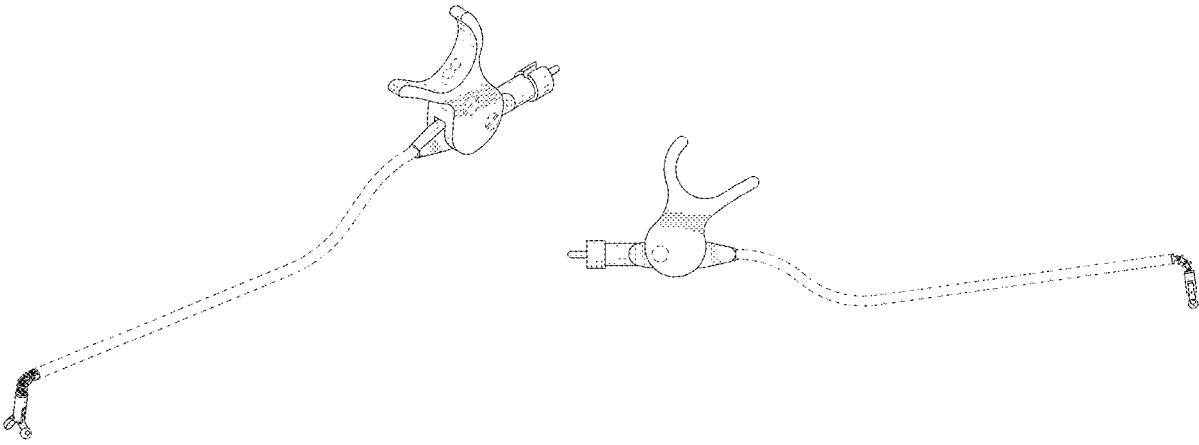
Jan. 25, 2019 (EM) 006085023-0003
(51) **LOC (13) Cl.** **24-02**
(52) **U.S. Cl.**
USPC **D24/146; D24/148**
(58) **Field of Classification Search**
USPC D24/133, 143, 145, 146, 147, 148, 137, D24/138, 144, 108, 117, 135, 141, 222, D24/149; D8/51, 68, 107, 57
CPC A61B 17/0684; A61B 17/068; A61B 17/0469; A61B 17/320092; A61B 17/32; A61B 18/1445; A61B 1/00087; A61B 1/00098; A61B 1/0052; A61B 1/00101; A61B 1/00066; A61B 1/0057; A61B 1/0011; A61B 1/00016; A61B 1/00; A61B 1/00052; A61B 1/267; A61B 17/122; A61B 17/28; A61B 17/282; A61B 17/2841; A61B 17/285; A61B 17/29; A61B 17/2909; A61B 17/295; A61B 2017/2926
See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS
D378,611 S * 3/1997 Croley D24/144
D493,888 S * 8/2004 Reschke D24/133
D553,739 S * 10/2007 Stammberger D24/133
D569,509 S * 5/2008 Melanson D24/133
D621,932 S * 8/2010 Sonleiter D24/133
D624,649 S * 9/2010 Seeh D24/137
D624,651 S * 9/2010 Leroy D24/143
D624,652 S * 9/2010 Carus D24/143
(Continued)
Primary Examiner — T Chase Nelson
Assistant Examiner — Kelly L Gross
(74) *Attorney, Agent, or Firm* — Muncy, Geissler, Olds & Lowe, P.C.

(57) **CLAIM**
The ornamental design for a shaft attachable medical instrument, as shown and described.

DESCRIPTION
FIG. 1 is a front perspective view of a shaft attachable medical instrument according to the present invention. FIG. 2 is a front view of the shaft attachable medical instrument of FIG. 1. FIG. 3 is a rear view of the shaft attachable medical instrument of FIG. 1. FIG. 4 is a left side view of the shaft attachable medical instrument of FIG. 1. FIG. 5 is a right side view of the shaft attachable medical instrument of FIG. 1. FIG. 6 is a top view of the shaft attachable medical instrument of FIG. 1; and, FIG. 7 is a bottom view of the shaft attachable medical instrument of FIG. 1. The dashed lines illustrate environment that does not form a part of the claimed design, and no claim is made to the material illustrated with dashed lines.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D625,806	S *	10/2010	Leroy	D24/143	9,814,480	B2 *	11/2017	Tadano	A61B 34/71
D625,807	S *	10/2010	Leroy	D24/143	9,833,232	B2 *	12/2017	Woodard, Jr.	A61B 17/29
D625,808	S *	10/2010	Leroy	D24/143	9,872,724	B2 *	1/2018	Walberg	A61B 18/1445
D625,809	S *	10/2010	Cuschieri	D24/143	9,872,726	B2 *	1/2018	Morisaki	A61B 18/1206
D625,810	S *	10/2010	Cuschieri	D24/143	9,968,343	B2 *	5/2018	Jeong	A61B 17/29
D625,811	S *	10/2010	Cuschieri	D24/143	10,016,207	B2 *	7/2018	Suzuki	A61B 34/70
D625,812	S *	10/2010	Dapri	D24/143	D828,558	S *	9/2018	Haerle	D24/146
D625,813	S *	10/2010	Dapri	D24/143	10,136,884	B2 *	11/2018	Graul	A61B 17/0401
D625,814	S *	10/2010	Leroy	D24/143	D840,034	S	2/2019	Pfeffer et al.	
D629,899	S *	12/2010	Meinero	D24/138	D844,139	S *	3/2019	Heard	D24/144
D638,938	S *	5/2011	Doll	D24/140	D844,141	S *	3/2019	Lautemann	D24/146
D641,872	S *	7/2011	Solingen	D24/143	D845,479	S *	4/2019	Lautemann	D24/146
D641,873	S *	7/2011	Solingen	D24/143	D845,480	S *	4/2019	Lautemann	D24/146
D641,874	S *	7/2011	Solingen	D24/143	D845,481	S *	4/2019	Lautemann	D24/146
D646,784	S *	10/2011	Solingen	D24/147	D845,482	S *	4/2019	Lautemann	D24/146
D677,386	S *	3/2013	Bisleri	D24/148	D845,483	S *	4/2019	Lautemann	D24/146
D683,852	S *	6/2013	Gonzales	D24/133	D847,992	S *	5/2019	Adams	D24/146
D700,324	S *	2/2014	Affonce	D24/144	D852,358	S *	6/2019	Matuschek	D24/138
D708,328	S *	7/2014	Bannerman	D24/141	D852,955	S	7/2019	Pfeffer et al.	
D719,654	S *	12/2014	Weitkamp	D24/143	D854,151	S *	7/2019	Shelton, IV	D24/145
9,028,492	B2 *	5/2015	Kerr	A61B 18/1445	10,383,648	B2 *	8/2019	Sholev	A61B 17/00234
				606/51	D858,766	S	9/2019	Pfeffer et al.	
9,113,879	B2 *	8/2015	Felder	A61B 17/068	D860,441	S *	9/2019	Spycher	D24/133
D741,483	S *	10/2015	Solingen	D24/146	D860,452	S	9/2019	Pfeffer et al.	
9,204,923	B2 *	12/2015	Manzo	A61B 34/71	D863,007	S *	10/2019	Lopez	D8/26
D750,240	S *	2/2016	Gonzales	D24/133	D871,574	S *	12/2019	Lohk	D24/138
D753,298	S *	4/2016	Hayamizu	D24/138	D871,575	S *	12/2019	Lohk	D24/138
9,375,260	B2 *	6/2016	Kerr	A61B 18/1445	10,519,677	B2 *	12/2019	Fujii	E04G 21/123
9,402,619	B2 *	8/2016	Grace	A61B 17/062	D874,647	S *	2/2020	Cranfield	D24/138
9,433,422	B2 *	9/2016	Crainich	A61B 17/1285	10,617,439	B2 *	4/2020	Deodhar	A61B 17/295
9,451,947	B2 *	9/2016	Benson	A61B 17/0469	10,645,260	B2 *	5/2020	Matthison-Hansen	
D771,808	S *	11/2016	Efinger	D24/137					H04N 7/102
D775,332	S *	12/2016	Merz	D24/133	D888,950	S *	6/2020	Kuchta	D24/144
D777,914	S *	1/2017	Wapler	D24/133	D888,953	S *	6/2020	Baxter, III	D24/145
9,566,083	B2 *	2/2017	Slater	A61B 17/3201	10,765,804	B2 *	9/2020	Sohn	A61M 5/158
9,579,146	B2 *	2/2017	Johnson	A61B 18/1445	10,779,710	B2 *	9/2020	Matthison-Hansen	
D788,917	S *	6/2017	Lautemann	D24/143					A61B 1/0011
D788,920	S *	6/2017	Lautemann	D24/143	10,799,224	B2 *	10/2020	Tasci	A61B 17/00234
D788,921	S *	6/2017	Unger	D24/143	10,842,518	B2 *	11/2020	Williams	A61B 17/12
D788,922	S *	6/2017	Unger	D24/143	10,842,522	B2 *	11/2020	Messlerly	A61B 17/320092
D789,535	S *	6/2017	Wittner	D24/146	D904,608	S *	12/2020	Attinger	D24/138
D790,697	S *	6/2017	Bresco Torras	D24/138	10,864,003	B2 *	12/2020	Ding	A61B 17/29
9,668,805	B2 *	6/2017	Batchelor	A61B 18/1442	10,864,004	B2 *	12/2020	Fujii	A61B 34/30
D791,317	S *	7/2017	Bresco Torras	D24/138	D912,814	S *	3/2021	Merz	D24/143
9,700,335	B2 *	7/2017	Reinauer	A61B 17/29	D912,815	S *	3/2021	Merz	D24/143
D796,041	S *	8/2017	Preis	D24/143	D912,817	S *	3/2021	Merz	D24/143
					2017/0150950	A1 *	6/2017	Thouement	A61B 17/00

* cited by examiner

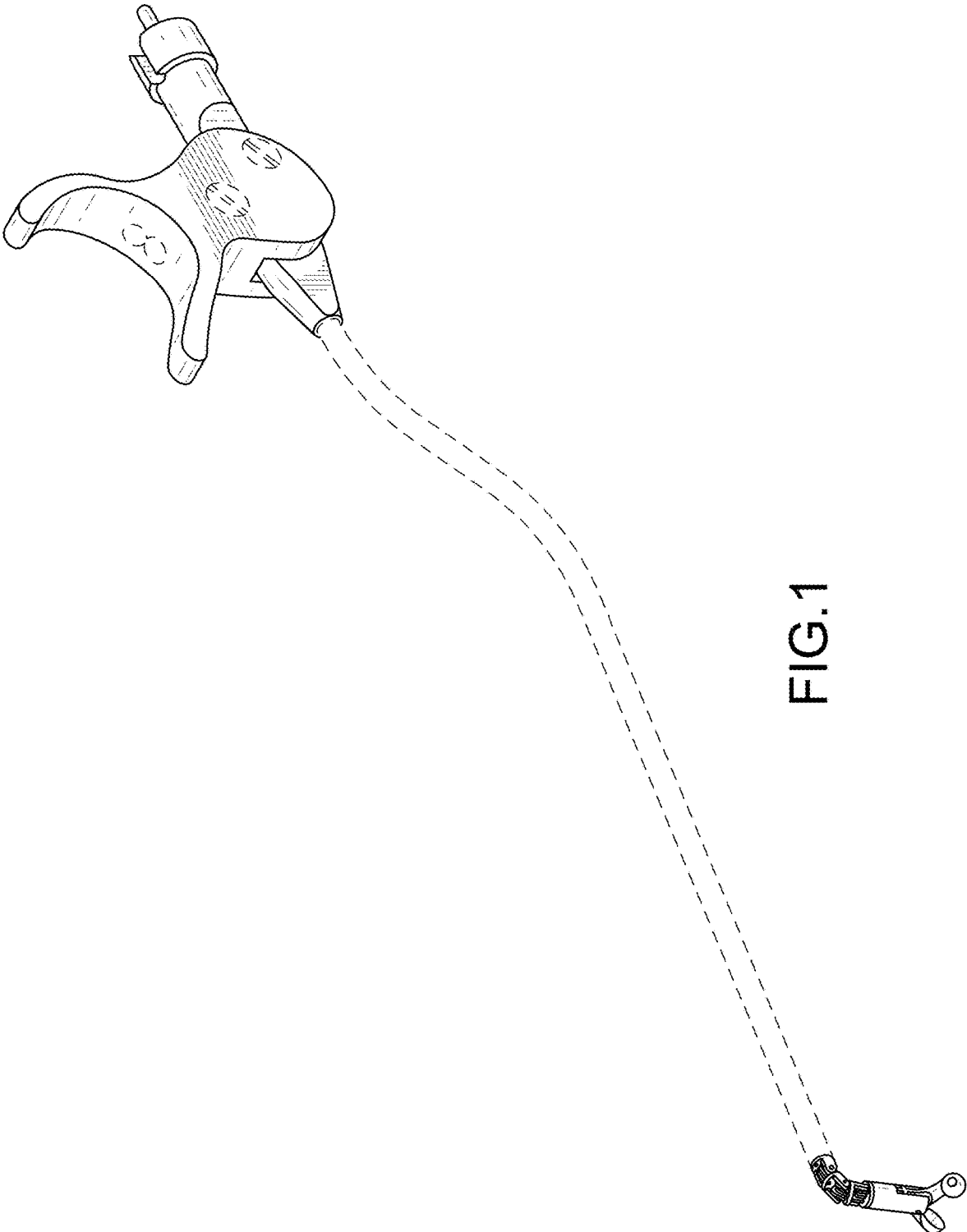




FIG.2

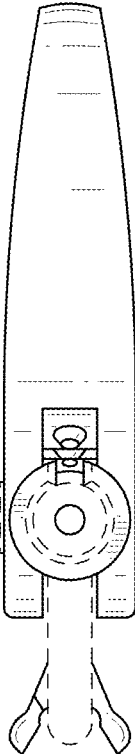


FIG.3

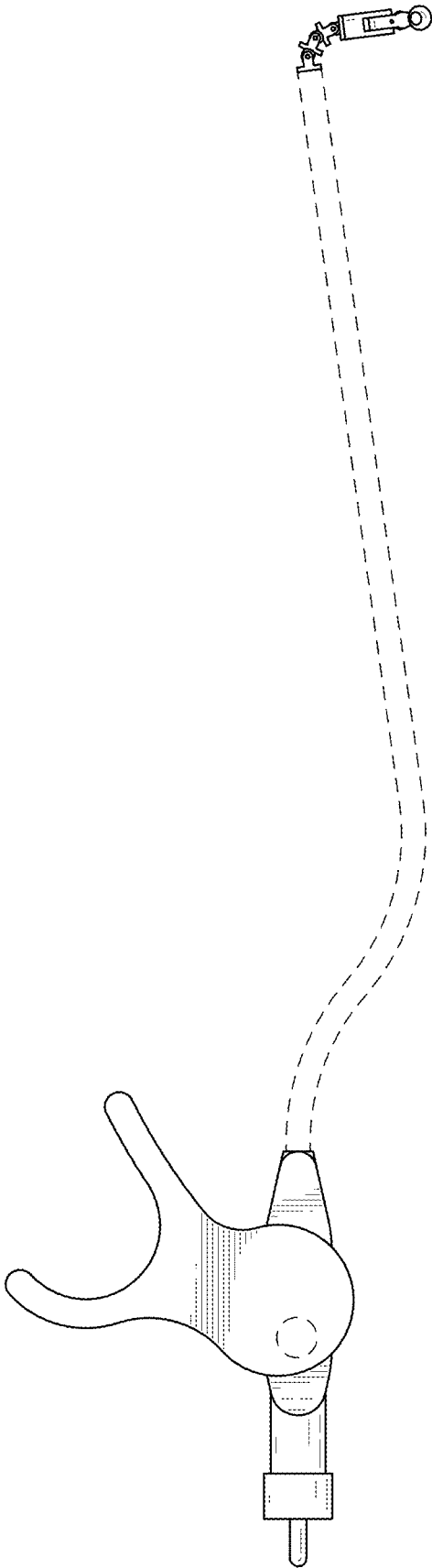


FIG.4

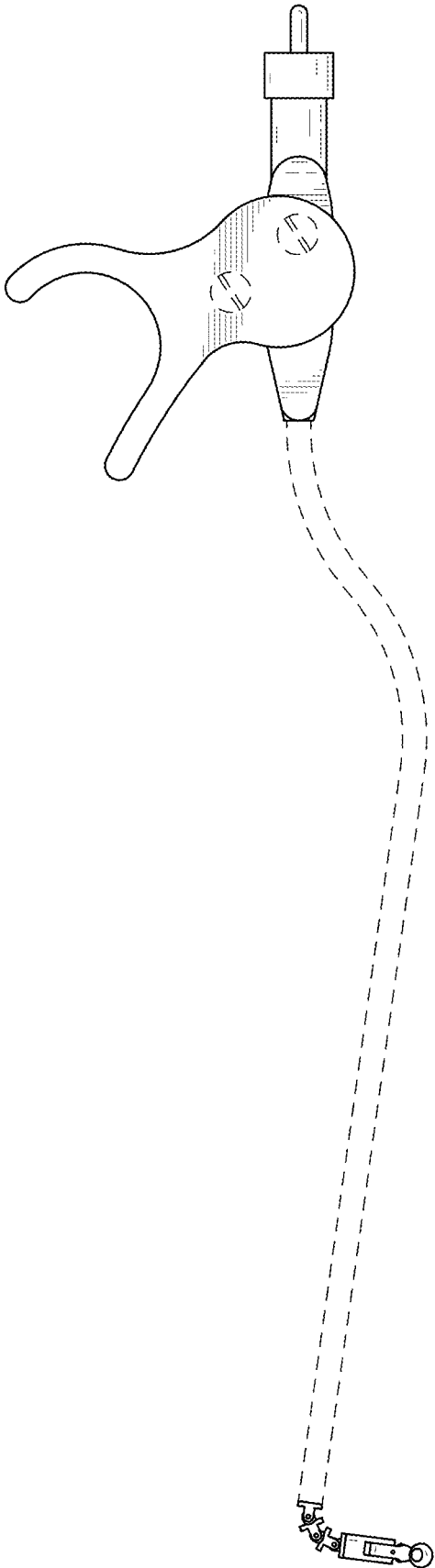


FIG.5

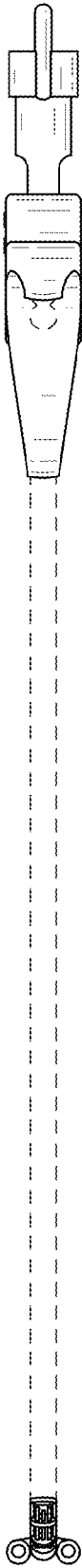


FIG. 6



FIG.7