

## PCT Recordation of Search History

Case/PCT Application Number: PCT/US18/49450

CLIN Number/Technical Field of PCT Application: CLIN 2

Dates During Which the Search was Conducted: 10 – 16 October 2018

Date of Completion of Recordation of Search History Form: 16 October 2018

Research Analyst Initials: PBK

Search Approval Official (SAO) Initials: CEH

### Field of Search/Classification Information:

IPC(8) Classifications: A61B 17/00, 17/04, 17/06, 17/062, 17/10 (2018.01)

CPC Classifications: A61B 17/00, 17/04, 17/0467, 17/0482, 17/06, 17/06133, 17/062, 17/10

### Databases Searched (Patent and Non-Patent Literature (NPL), Including Sub-Databases and Files Searched) and Search Terms Used:

PatSeer (US, EP, WO, JP, DE, GB, CN, FR, KR, ES, AU, IN, CA, INPADOC Data);

Suture kit holder; needle holder package; suture kit package; medical kit package; medical instrument portable kit; medical instrument package; needle and knot holding device; suturing device with independent needles; double armed suture; suture kit with vacuum tube;

## Database Search String Recordation, Including Dates of Searches:

## Patent Database Search Strategy/Results:

PatSeer:

ID	Search String	Records	Created Date
L29	TAC:(sudur* AND needl* AND knot* AND (hold* OR packag* OR kit OR guide)) AND TACD:(sudur* AND needl* AND knot* AND hold* AND (kit OR packag*) AND tub* AND (surg* OR tiss*) AND loop AND (suture holder OR anchor) AND (vacuum OR suction OR negative pressure)) AND AC:(A61B17/00 OR A61B17/04 OR A61B17/0467 OR A61B17/0482 OR A61B17/06 OR A61B17/06133 OR A61B17/062 OR A61B17/10)	22	16-Oct-18
L28	TAC:(sudur* AND needl* AND knot* AND (hold* OR packag* OR kit)) AND TACD:(sudur* AND needl* AND knot* AND hold* AND (kit OR packag*) AND tub* AND (surg* OR tiss*) AND loop AND (suture holder OR anchor) AND (vacuum OR suction OR negative pressure)) AND AC:(A61B17/00 OR A61B17/04 OR A61B17/0467 OR A61B17/0482 OR A61B17/06 OR A61B17/06133 OR A61B17/062 OR A61B17/10)	21	16-Oct-18
L27	TAC:(sudur* AND needl* AND knot* AND (hold* OR packag*)) AND TACD:(sudur* AND needl* AND knot* AND hold* AND (kit OR packag*) AND tub* AND (surg* OR tiss*) AND loop AND (suture holder OR anchor) AND (vacuum OR suction OR negative pressure)) AND AC:(A61B17/00 OR A61B17/04 OR A61B17/0467 OR A61B17/0482 OR A61B17/06 OR A61B17/06133 OR A61B17/062 OR A61B17/10)	17	16-Oct-18
L26	TAC:(sudur* AND needl* AND knot* AND hold*) AND TACD:(sudur* AND needl* AND knot* AND hold* AND (kit OR packag*) AND tub* AND (surg* OR tiss*) AND loop AND (suture holder OR anchor) AND (vacuum OR suction OR negative pressure)) AND AC:(A61B17/00 OR A61B17/04 OR A61B17/0467 OR A61B17/0482 OR A61B17/06 OR A61B17/06133 OR A61B17/062 OR A61B17/10)	17	16-Oct-18
L25	TACD:(sudur* AND needl* AND knot* AND hold* AND (kit OR packag*) AND tub* AND (surg* OR tiss*) AND loop AND (suture holder OR anchor) AND (vacuum OR suction OR negative pressure)) AND AC:(A61B17/00 OR A61B17/04 OR A61B17/0467 OR A61B17/0482 OR A61B17/06 OR A61B17/06133 OR A61B17/062 OR	559	16-Oct-18

	A61B17/10)		
L24	TA:(sudur* AND needl*) AND TACD:(sudur* AND needl* AND knot* AND hold* AND (kit OR packag*) AND tub* AND (surg* OR tiss*) AND loop AND (suture holder OR anchor) AND (vacuum OR suction OR negative pressure)) AND AC:(A61B17/00 OR A61B17/04 OR A61B17/0467 OR A61B17/0482 OR A61B17/06 OR A61B17/06133 OR A61B17/062 OR A61B17/10)	85	16-Oct-18
L23	TA:(sudur* AND needl*) AND TACD:(sudur* AND needl* AND knot* AND hold* AND (kit OR packag*) AND tub* AND (surg* OR tiss*) AND loop AND (suture holder OR anchor) AND (vacuum OR suction OR negative pressure))	92	16-Oct-18
L22	TA:(sudur* and needl*) AND TACD:(sudur* AND needl* AND knot* AND hold* AND (kit OR packag*) AND tub* AND (surg* OR tiss*) AND loop AND (suture holder OR anchor) AND (vacuum OR suction))	92	16-Oct-18
L21	TACD:(sudur* AND needl* AND knot* AND hold* AND (kit OR packag*) AND tub* AND (surg* OR tiss*) AND loop AND (suture holder OR anchor) AND ((vacuum OR suction) W10 suture))	95	16-Oct-18
L20	TACD:(sudur* AND needl* AND knot* AND hold* AND (kit OR packag*) AND tub* AND (surg* OR tiss*) AND loop AND (suture holder OR anchor) AND ((vacuum OR suction) w5 suture))	84	16-Oct-18
L19	TACD:(sudur* AND needl* AND knot* AND hold* AND (kit OR packag*) AND tub* AND (surg* OR tiss*) AND loop AND (suture holder OR anchor) AND (vacuum OR suction))	1304	16-Oct-18
L18	TACD:(sudur* AND needl* AND knot* AND hold* AND (kit OR packag*) AND tub* AND (surg* OR tiss*) AND loop AND (suture holder OR anchor))	3273	16-Oct-18
L17	TACD:(sudur* AND needl* AND knot* AND hold* AND (kit OR packag*) AND tub* AND (surg* OR tiss*) AND loop)	4877	16-Oct-18
L16	TACD:(sudur* AND needl* AND knot* AND hold* AND (kit OR packag*) AND tub* AND (surg* OR tiss*))	7059	16-Oct-18
L15	TACD:(sudur* AND needl* AND knot* AND hold* AND (kit OR packag*))	8780	16-Oct-18
L14	L12 NOT L4	97	16-Oct-18
L13	L12 NOT L6	97	16-Oct-18
L12	TAC:(sudur* AND needl* AND knot* AND hold* AND (kit OR packag*))	104	16-Oct-18
L11	TAC:(sudur* AND needl* AND knot* AND hold*)	818	16-Oct-18
L10	TA:((sudur* OR knot* OR loop*) AND (tub* OR passag*))	7253	16-Oct-18

	OR hold*) AND needl* AND (kit OR packag* OR hold*))		
L9	TA:((sudur* OR knot* OR loop*) AND needl* AND (kit OR packag* OR hold*))	8504	16-Oct-18
L8	TA:(sudur* AND needl* AND (knot* OR loop*) AND (kit OR packag* OR hold*))	456	16-Oct-18
L7	TA:(sudur* AND needl* AND knot* AND (kit OR packag*))	39	16-Oct-18
L6	TA:(sudur* AND needl* AND knot* AND (hold* OR kit OR packag*))	205	16-Oct-18
L5	TA:(sudur* AND needl* AND knot* AND hold* AND (kit OR packag*))	6	16-Oct-18
L4	TA:(sudur* AND needl* AND knot* AND hold*)	172	16-Oct-18
L3	TA:(sudur* AND needl* AND knot*)	1143	16-Oct-18
L2	TA:(sudur* AND needl*)	15465	16-Oct-18
L1	TA:(sudur*)	67954	16-Oct-18

### Non-Patent Literature (NPL) Search Strategy/Results:

#### Google Patent/Scholar [10 – 15 October 2018]:

- suture kit holder
- curved suture kit holder with a vacuum source
- suture kit case
- suture medical kit case
- medical instrument holding device suture
- medical instrument casing
- suture holder
- endoscope suture package

#### Google [10 October 2018]:

- suture holder with curved sutures
- suture holder with curved sutures with vacuum tube
- independent needle holders
- two armed suture
- two armed suture with independent needles

#### PubMed [11 – 14 October 2018]:

- Suture knot holder
- Suture anchor
- Needle suture technologies
- Ti-KNOT TK•5 suture device
- Suturing with independent needles and knot pushers