

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3414148

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ROBERT FRIGG	09/28/2007
STUART WEIKEL	10/11/2007
STEFAN SCHWER SCHWER	10/10/2007
GEOFFREY FLEXNER	09/28/2007
ROSS JONATHAN HAMEL	10/01/2007
RECEIVING PARTY DATA	
Name:	SYNTHES (U.S.A.)
Street Address:	1302 WRIGHTS LANE EAST
City:	WEST CHESTER
State/Country:	PENNSYLVANIA
Postal Code:	19380
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14743895
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Email:	akhikmat@fkmiplaw.com
Correspondent Name:	FAY KAPLUN & MARCIN, LLP
Address Line 1:	150 BROADWAY, SUITE 702
Address Line 4:	NEW YORK, NEW YORK 10038
ATTORNEY DOCKET NUMBER:	10139/14504
NAME OF SUBMITTER:	OLEG F. KAPLUN
SIGNATURE:	/Oleg F. Kaplun/
DATE SIGNED:	06/25/2015
Total Attachments: 15	
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ASSIGNMENT

WHEREAS, WE, (i) Robert FRIGG, residing at Mattenweg 8, 2544 Bettlach, Switzerland ii) Stuart WEIKEI, residing at 9206 Rolling Oaks Trail, Austin, TX 78750 iii) Stefan SCHWER, residing at Eduard-Kaiser-Strasse 9, 79540 Loerrach, Germany iv) Geoffrey FLEXNER, residing at 1007 Barclay Road, Chester Springs, PA 19425 and v) Ross Jonathan HAMEL, residing at 1521 Tanglewood Drive, West Chester, PA 19380, ASSIGNORS, citizens of the United States of America, are the inventors of the invention disclosed, described and/or claimed in **SIMULATED BONE OR TISSUE MANIPULATION** for which we have executed and filed an application for a Patent in the United States, which was filed on August 13, 2007 and was assigned Patent Application No. 11/838,093, which is identified by Stroock & Stroock & Lavan LLP Docket No. 001227/1155, and which claims priority to Provisional Application No. 60/837,193, which was filed on ~~August 11, 2006 (accorded Stroock & Stroock & Lavan LLP Docket No. 001227/0339)~~, which includes all inventions described, disclosed or claimed therein including all applications related thereto (hereinafter collectively the "Invention").

AND WHEREAS, **SYNTHE (U.S.A.)**, ASSIGNEE, a Pennsylvania General Partnership organized under the laws of the Commonwealth of Pennsylvania and having a place of business at 1302 Wrights Lane East, West Chester, PA 19380, is desirous of obtaining our entire right, title and interest in, to and under all the invention(s) as described, disclosed and/or claimed in the above-identified application:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the Invention, and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for the Invention in any country, together with the right to file such applications and the right to claim for the same the priority rights derived from the application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for the Invention in any country and all extensions, renewals and reissues thereof; including all applications for industrial property, all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof.

AND WE HEREBY authorize and request said ASSIGNEE, its successors, legal representatives, or assigns to insert hereinafter when known the application number and filing date of any international, regional, or national application already filed or filed hereafter for the Invention.

Country: _____ Application No. _____ Filing Date _____

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting the Invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for the Invention in all countries.

IN TESTIMONY WHEREOF, We have hereunto signed our names on the date(s) indicated opposite our respective signatures.

U.S. inventors - Synthes (U.S.A.)

SSL-DOCS1 1847630v1

PATENT
REEL: 035959 FRAME: 0683

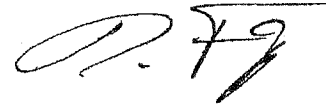
Date: 09/28/2007

Robert Frigg L.S.
(Inventor's Name)

WITNESS:

Martin Kaufmann
(Printed Name)

M. Kaufmann
(Signature)



Date: 09/28/2007

Date: _____

Stuart Weikel L.S.
(Inventor's Name)

State of _____)
County of _____) SS:

On _____, before me _____, Notary Public, personally appeared _____, personally known to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

Date: _____

Stefan Schwer L.S.
(Inventor's Name)

WITNESS:

(Printed Name)

(Signature)

Date: _____

ASSIGNMENT

WHEREAS, WE, (i) **Robert FRIGG**, residing at Mattenweg 8, 2544 Bettlach, Switzerland ii) **Stuart WEIKEL**, residing at 9206 Rolling Oaks Trail, Austin, TX 78750 iii) **Stefan SCHWER**, residing at Eduard-Kaiser-Strasse 9, 79540 Loerrach, Germany iv) **Geoffrey FLEXNER**, residing at 1007 Barclay Road, Chester Springs, PA 19425 and v) **Ross Jonathan HAMEL**, residing at 1521 Tanglewood Drive, West Chester, PA 19380, ASSIGNORS, citizens of the United States of America, are the inventors of the invention disclosed, described and/or claimed in **SIMULATED BONE OR TISSUE MANIPULATION** for which we have executed and filed an application for a Patent in the United States, which was filed on August 13, 2007 and was assigned Patent Application No. 11/838,093, which is identified by Stroock & Stroock & Lavan LLP Docket No. 001227/1155, and which claims priority to Provisional Application No. 60/837,193, which was filed on August 11, 2006 (accorded Stroock & Stroock & Lavan LLP Docket No. 001227/0339), which includes all inventions described, disclosed or claimed therein including all applications related thereto (hereinafter collectively the "Invention").

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IN TESTIMONY WHEREOF, We have hereunto signed our names on the date(s) indicated opposite our respective signatures.

U.S. inventors -- Synthes (U.S.A.)

SSL-DOCSI 1847630v1

PATENT
REEL: 035959 FRAME: 0686

Date: _____

Robert Frigg L.S.
(Inventor's Name)

WITNESS:

(Printed Name)

Date: _____

(Signature)

Date: 10/11/07

Stuart Weikel L.S.
(Inventor's Name)

State of Tx

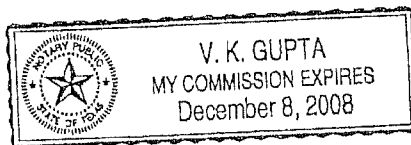
County of Williamson

)
SS: 448 82 4788
)

On OCT 11, 07, before me V.K. GUPTA, Notary Public, personally appeared STUART WEIKEL, personally known to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

V.K. Gupta



Date: _____

Stefan Schwer L.S.
(Inventor's Name)

WITNESS:

(Printed Name)

Date: _____

(Signature)

Date: _____

Geoffrey Flexner L.S.
(Inventor's Name)

State of _____)
) SS:
County of _____)

On _____, before me _____, Notary Public, personally appeared _____, personally known to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

.....

.....

10. <https://doi.org/10.1016/j.jmb.2019.05.005>

Date: _____

Ross Jonathan Hamel L.S.
(Inventor's Name)

State of _____)
) SS:
County of _____)

On _____, before me _____, Notary Public, personally appeared _____, personally known to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 104

ASSIGNMENT

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U.S. inventors - Synthes (U.S.A.)

SSL-DOCS1 1847630v1

Date: _____

Robert Frigg L.S.
(Inventor's Name)

WITNESS:

(Printed Name)

(Signature)

Date: _____

Date: _____

Stuart Weikel L.S.
(Inventor's Name)

State of _____)
County of _____) SS:

On _____, before me _____, Notary Public, personally appeared _____, personally known to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

Date: 10.10.07

Stefan Schwer L.S.
(Inventor's Name)

WITNESS:

Esther Jakob

(Printed Name)

(Signature)

Date: 10.10.07

ASSIGNMENT

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U.S. inventors - Synthes (U.S.A.)

SSL-DOCS1 1847630v1

PATENT
REEL: 035959 FRAME: 0692

Date: _____

Robert Frigg L.S.
(Inventor's Name)

WITNESS:

(Printed Name)

(Signature)

Date: _____

Date: _____

Stuart Weikel L.S.
(Inventor's Name)

State of _____)
County of _____) SS:

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WITNESS my hand and official seal

Date: _____

Stefan Schwer L.S.
(Inventor's Name)

WITNESS:

(Printed Name)

(Signature)

Date: _____

Date: 9-28-07

Geoffrey Flexner
(Inventor's Name)

Geoffrey Flexner

L.S.

State of PA

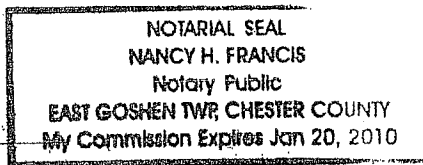
County of Chester

)
) SS: Nancy H. Francis

On 9/28/07, before me Geoffrey Flexner Notary Public, personally appeared Geoffrey Flexner, personally known to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

Nancy H. Francis



Date: _____

Ross Jonathan Hamel
(Inventor's Name)

L.S.

State of _____

County of _____

)
) SS:
)

On _____, before me _____, Notary Public, personally appeared _____, personally known to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

ASSIGNMENT

WHEREAS, WE, (i) Robert FRIGG, residing at Mattenweg 8, 2544 Bettlach, Switzerland ii) Stuart WEIKEI, residing at 9206 Rolling Oaks Trail, Austin, TX 78750 iii) Stefan SCHWER, residing at Eduard-Kaiser-Strasse 9, 79540 Loerrach, Germany iv) Geoffrey FLEXNER, residing at 1007 Barclay Road, Chester Springs, PA 19425 and v) Ross Jonathan HAMEL, residing at 1521 Tanglewood Drive, West Chester, PA 19380, ASSIGNORS, citizens of the United States of America, are the inventors of the invention disclosed, described and/or claimed in **SIMULATED BONE OR TISSUE MANIPULATION** for which we have executed and filed an application for a Patent in the United States, which was filed on August 13, 2007 and was assigned Patent Application No. 11/838,093, which is identified by Stroock & Stroock & Lavan LLP Docket No. 001227/1155, and which claims priority to Provisional Application No. 60/837,193, which was filed on August 11, 2006 (accorded Stroock & Stroock & Lavan LLP Docket No. 001227/0339), which includes all inventions described, disclosed or claimed therein including all applications related thereto (hereinafter collectively the "Invention").

AND WHEREAS, SYNTHES (U.S.A.), ASSIGNEE, a Pennsylvania General Partnership organized under the laws of the Commonwealth of Pennsylvania and having a place of business at 1302 Wrights Lane East, West Chester, PA 19380, is desirous of obtaining our entire right, title and interest in, to and under all the invention(s) as described, disclosed and/or claimed in the above-identified application:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the Invention, and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for the Invention in any country, together with the right to file such applications and the right to claim for the same the priority rights derived from the application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for the Invention in any country and all extensions, renewals and reissues thereof; including all applications for industrial property, all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof.

AND WE HEREBY authorize and request said ASSIGNEE, its successors, legal representatives, or assigns to insert hereinafter when known the application number and filing date of any international, regional, or national application already filed or filed hereafter for the Invention.

Country: _____ Application No. _____ Filing Date _____

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting the Invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for the Invention in all countries.

IN TESTIMONY WHEREOF, We have hereunto signed our names on the date(s) indicated opposite our respective signatures.

U.S. inventors - Synthes (U.S.A.)

SSL-DOCS1 1847630v1

Date: _____

Robert Frigg L.S.
(Inventor's Name)

WITNESS:

(Printed Name)

(Signature)

Date: _____

Date: _____

Stuart Weikel L.S.
(Inventor's Name)

State of _____)
County of _____) SS:

On _____, before me _____, Notary Public, personally appeared _____, personally known to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

Date: _____

Stefan Schwer L.S.
(Inventor's Name)

WITNESS:

(Printed Name)

(Signature)

Date: _____

Date: _____

Geoffrey Flexner L.S.
(Inventor's Name)

State of _____)
County of _____) SS:

On _____, before me _____, Notary Public, personally appeared _____, personally known to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

Date: 1 Oct 2007

Ross Jonathan Hamel L.S.
(Inventor's Name)

State of Pennsylvania)
County of Chester) SS:

On Oct 1, 2007, before me N. Jenkinson, Notary Public, personally appeared Ross Hamel, personally known to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

NOTARIAL SEAL
Nancy M. Jenkinson, Notary Public
East Goshen Twp., Chester County
My commission expires July 28, 2008