

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4996528

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
TD BANK, N.A., AS ADMINISTRATIVE AGENT	06/05/2018
RECEIVING PARTY DATA	
Name:	RTI SURGICAL, INC.
Street Address:	11621 RESEARCH CIRCLE
City:	ALACHUA
State/Country:	FLORIDA
Postal Code:	32615
PROPERTY NUMBERS Total: 59	
Property Type	Number
Patent Number:	5814084
Patent Number:	6033438
Patent Number:	6045554
Patent Number:	6096081
Patent Number:	6482584
Patent Number:	6652818
Patent Number:	6613278
Patent Number:	6652592
Patent Number:	6497726
Patent Number:	6805713
Patent Number:	7048762
Patent Number:	7182781
Patent Number:	7048765
Patent Number:	6685626
Patent Number:	6699252
Patent Number:	6893462
Patent Number:	7153518
Patent Number:	7001430
Patent Number:	7131994
Patent Number:	7648676

PATENT

Property Type	Number
Patent Number:	8167943
Patent Number:	7513910
Patent Number:	7763071
Patent Number:	7776089
Patent Number:	7763072
Patent Number:	8470038
Patent Number:	7727278
Patent Number:	7658706
Patent Number:	8007533
Patent Number:	8105379
Patent Number:	7883541
Patent Number:	7824702
Application Number:	12140210
Patent Number:	9700584
Patent Number:	8142991
Patent Number:	8110001
Patent Number:	8291572
Patent Number:	9763787
Patent Number:	8394141
Patent Number:	8669043
Application Number:	13431459
Application Number:	13593218
Application Number:	13795976
Application Number:	13828363
Patent Number:	9207820
Application Number:	13839440
Patent Number:	D461248
Patent Number:	D583053
Patent Number:	D583054
Patent Number:	D583055
Patent Number:	D583056
Patent Number:	D583473
Patent Number:	D630748
Patent Number:	D619254
Patent Number:	D608891
Patent Number:	D605768
Patent Number:	D604850
Patent Number:	D625822

Property Type	Number
Patent Number:	D630329

CORRESPONDENCE DATA

Fax Number: (312)863-7806

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.

Phone: 3128637198

Email: nancy.brougher@goldbergkohn.com

Correspondent Name: NANCY BROUGHER, PARALEGAL

Address Line 1: GOLDBERG KOHN LTD.

Address Line 2: 55 EAST MONROE, SUITE 3300

Address Line 4: CHICAGO, ILLINOIS 60603

ATTORNEY DOCKET NUMBER:	1075.288
NAME OF SUBMITTER:	NANCY BROUGHER
SIGNATURE:	/njb/
DATE SIGNED:	06/07/2018

Total Attachments: 7

source=RTI Patent Release (Reel 30888 Frame 001)#page1.tif

source=RTI Patent Release (Reel 30888 Frame 001)#page2.tif

source=RTI Patent Release (Reel 30888 Frame 001)#page3.tif

source=RTI Patent Release (Reel 30888 Frame 001)#page4.tif

source=RTI Patent Release (Reel 30888 Frame 001)#page5.tif

source=RTI Patent Release (Reel 30888 Frame 001)#page6.tif

source=RTI Patent Release (Reel 30888 Frame 001)#page7.tif

RELEASE OF SECURITY INTERESTS IN PATENTS

THIS RELEASE OF SECURITY INTERESTS IN PATENTS ("Release") is made as of this 5th day of June, 2018, by TD BANK, N.A., a national banking association, as administrative agent ("Administrative Agent"), in favor of RTI SURGICAL, INC., a Delaware corporation ("Company").

FOR GOOD AND VALUABLE CONSIDERATION, the receipt and adequacy of which are hereby acknowledged, Administrative Agent hereby releases all liens and security interests granted by Company in favor of Administrative Agent in the patents, applications, reissued patents, royalties and patent rights listed on Schedule A attached hereto pursuant to that certain Patent Security Agreement, dated as of July 16, 2013, executed by Company in favor of Administrative Agent and recorded with the United States Patent and Trademark Office on July 26, 2013 at Reel/Frame 30888/0001.

[Signature Page Follows]

IN WITNESS WHEREOF, Administrative Agent has caused this Release to be executed
by its authorized officer as of the date of this Release.

TD BANK, N.A.

By: 

Name: Mike Mursey

Title: Market President

SCHEDULE A

Patents

Total properties: 59

1	Patent #: 5814084	Issue Dt: 09/29/1998	Application #: 08587070	Filing Dt: 01/16/1996
	Title: DIAPHYSIAL CORTICAL DOWEL			
2	Patent #: 6033438	Issue Dt: 03/07/2000	Application #: 08867963	Filing Dt: 06/03/1997
	Title: OPEN INTERVERTEBRAL SPACER			
3	Patent #: 6045554	Issue Dt: 04/04/2000	Application #: 09098916	Filing Dt: 06/17/1998
	Title: CORTICAL BONE INTERFERENCE SCREW			
4	Patent #: 6096081	Issue Dt: 08/01/2000	Application #: 09101903	Filing Dt: 07/13/1998
	Title: DIAPHYSIAL CORTICAL DOWEL			
5	Patent #: 6482584	Issue Dt: 11/19/2002	Application #: 09191232	Filing Dt: 11/13/1998
	Title: CYCLIC IMPLANT PERFUSION CLEANING AND PASSIVATION PROCESS			
6	Patent #: 6652818	Issue Dt: 11/25/2003	Application #: 09378527	Filing Dt: 08/20/1999
	Title: TISSUE POOLING PROCESS			
7	Patent #: 6613278	Issue Dt: 09/02/2003	Application #: 09390174	Filing Dt: 09/07/1999
	Title: TISSUE POOLING PROCESS			
8	Patent #: 6652592	Issue Dt: 11/25/2003	Application #: 09417401	Filing Dt: 10/13/1999
	Title: SEGMENTALLY DEMINERALIZED BONE IMPLANT			
9	Patent #: 6497726	Issue Dt: 12/24/2002	Application #: 09481319	Filing Dt: 01/11/2000
	Title: MATERIALS AND METHODS FOR IMPROVED BONE TENDON BONE TRANSPLANTATION			
10	Patent #: 6805713	Issue Dt: 10/19/2004	Application #: 09528034	Filing Dt: 03/17/2000
	Title: MATERIALS AND METHODS FOR IMPROVED BONE TENDON BONE TRANSPLANTATION			
11	Patent #: 7048762	Issue Dt: 05/23/2006	Application #: 09701933	Filing Dt: 08/20/2001
	Title: ELONGATED CORTICAL BONE IMPLANT			
12	Patent #: 7182781	Issue Dt: 02/27/2007	Application #: 09704299	Filing Dt: 11/01/2000
	Title: CERVICAL TAPERED DOWEL			
13	Patent #: 7048765	Issue Dt: 05/23/2006	Application #: 09722205	Filing Dt: 11/25/2000
	Title: INTERVERTEBRAL SPACERS			
14	Patent #: 6685626	Issue Dt: 02/03/2004	Application #: 09776404	Filing Dt: 02/02/2001
	Publication #: US20020107429	Pub Dt: 08/08/2002		
	Title: COMPOSITIONS, DEVICES, METHODS, AND KITS FOR INDUCTION OF ADHESIONS			
15	Patent #: 6699252	Issue Dt: 03/02/2004	Application #: 09836099	Filing Dt: 04/17/2001
	Publication #: US20020151975	Pub Dt: 10/17/2002		
	Title: METHODS AND INSTRUMENTS FOR IMPROVED MENISCUS TRANSPLANTATION			
16	Patent #: 6893462	Issue Dt: 05/17/2005	Application #: 09942537	Filing Dt: 08/29/2001
	Publication #: US20020072806	Pub Dt: 06/13/2002		
	Title: SOFT AND CALCIFIED TISSUE IMPLANTS			

Schedule A

- Patent #: 7153518 Issue Dt: 12/26/2006 Application #: 10228558 Filing Dt: 08/27/2002
17 Publication #: US20030104026 Pub Dt: 06/05/2003
Title: PROCESSED SOFT TISSUE FOR TOPICAL OR INTERNAL APPLICATION
- Patent #: 7001430 Issue Dt: 02/21/2006 Application #: 10754310 Filing Dt: 01/09/2004
18 Publication #: US20050152880 Pub Dt: 07/14/2005
Title: MATRIX COMPOSITION FOR HUMAN GRAFTS/IMPLANTS
- Patent #: 7131994 Issue Dt: 11/07/2006 Application #: 10793976 Filing Dt: 03/05/2004
19 Publication #: US20050152881 Pub Dt: 07/14/2005
Title: MUSCLE-BASED GRAFTS/IMPLANTS
- Patent #: 7648676 Issue Dt: 01/19/2010 Application #: 10828653 Filing Dt: 04/20/2004
20 Publication #: US20050229323 Pub Dt: 10/20/2005
Title: PROCESS AND APPARATUS FOR TREATING IMPLANTS COMPRISING SOFT TISSUE
- Patent #: 8167943 Issue Dt: 05/01/2012 Application #: 10846399 Filing Dt: 05/14/2004
21 Publication #: US20040210308 Pub Dt: 10/21/2004
Title: MATERIALS AND METHODS FOR IMPROVED BONE TENDON BONE TRANSPLANTATION
- Patent #: 7513910 Issue Dt: 04/07/2009 Application #: 11007525 Filing Dt: 12/08/2004
22 Publication #: US20050101957 Pub Dt: 05/12/2005
Title: SOFT AND CALCIFIED TISSUE IMPLANTS
- Patent #: 7763071 Issue Dt: 07/27/2010 Application #: 11073202 Filing Dt: 03/04/2005
23 Publication #: US20060212036 Pub Dt: 09/21/2006
Title: BONE BLOCK ASSEMBLIES AND THEIR USE IN ASSEMBLED BONE-TENDON-BONE GRAFTS
- Patent #: 7776089 Issue Dt: 08/17/2010 Application #: 11073281 Filing Dt: 03/04/2005
24 Publication #: US20060200235 Pub Dt: 09/07/2006
Title: ASSEMBLED BONE-TENDON-BONE GRAFTS
- Patent #: 7763072 Issue Dt: 07/27/2010 Application #: 11073400 Filing Dt: 03/04/2005
25 Publication #: US20060200236 Pub Dt: 09/07/2006
Title: INTERMEDIATE BONE BLOCK AND ITS USE IN BONE BLOCK ASSEMBLIES AND ASSEMBLED BONE-TENDON-BONE GRAFTS
- Patent #: 8470038 Issue Dt: 06/25/2013 Application #: 11313280 Filing Dt: 12/19/2005
26 Publication #: US20060229722 Pub Dt: 10/12/2006
Title: Adjustable and fixed assembled bone-tendon-bone graft
- Patent #: 7727278 Issue Dt: 06/01/2010 Application #: 11428213 Filing Dt: 06/30/2006
27 Publication #: US20060271192 Pub Dt: 11/30/2006
Title: SELF FIXING ASSEMBLED BONE-TENDON-BONE GRAFT
- Patent #: 7658706 Issue Dt: 02/09/2010 Application #: 11634436 Filing Dt: 12/05/2006
28 Publication #: US20070260109 Pub Dt: 11/08/2007
Title: VASCULAR GRAFT STERILIZATION AND DECELLULARIZATION
- Patent #: 8007533 Issue Dt: 08/30/2011 Application #: 11674084 Filing Dt: 02/12/2007
29 Publication #: US20080195204 Pub Dt: 08/14/2008

Title: PROGRESSIVE GRIP ASSEMBLED BONE-TENDON-BONE GRAFTS, METHODS OF MAKING, AND METHODS OF USE
 Patent #: 8105379 Issue Dt: 01/31/2012 Application #: 11796282 Filing Dt: 04/27/2007
 30 Publication #: US20080051887 Pub Dt: 02/28/2008
 Title: MATERIALS AND METHODS FOR IMPROVED BONE TENDON BONE TRANSPLANTATION
 Patent #: 7883541 Issue Dt: 02/08/2011 Application #: 11949687 Filing Dt: 12/03/2007
 31 Publication #: US20080077252 Pub Dt: 03/27/2008
 Title: MUSCLE-BASED GRAFTS/IMPLANTS
 Patent #: 7824702 Issue Dt: 11/02/2010 Application #: 12026327 Filing Dt: 02/05/2008
 32 Publication #: US20080124397 Pub Dt: 05/29/2008
 Title: COMPOSITION FOR MAKING A BONE PASTE
 Patent #: NONE Issue Dt: Application #: 12140210 Filing Dt: 06/16/2008
 33 Publication #: US20090312842 Pub Dt: 12/17/2009
 Title: Assembled Cartilage Repair Graft
 Patent #: 9700584 Issue Dt: 07/11/2017 Application #: 12341917 Filing Dt: 12/22/2008
 34 Publication #: US20090253810 Pub Dt: 10/08/2009
 Title: OSTEOINDUCTIVE PUTTIES AND METHODS OF MAKING AND USING SUCH PUTTIES
 Patent #: 8142991 Issue Dt: 03/27/2012 Application #: 12389124 Filing Dt: 02/19/2009
 35 Publication #: US20090186333 Pub Dt: 07/23/2009
 Title: CYCLIC IMPLANT PERFUSION, CLEANING AND PASSIVATION PROCESS AND IMPLANT PRODUCED THEREBY
 Patent #: 8110001 Issue Dt: 02/07/2012 Application #: 12563830 Filing Dt: 09/21/2009
 36 Publication #: US20100082104 Pub Dt: 04/01/2010
 Title: MATERIALS AND METHODS FOR IMPROVED BONE TENDON BONE TRANSPLANTATION
 Patent #: 8291572 Issue Dt: 10/23/2012 Application #: 12690072 Filing Dt: 01/19/2010
 37 Publication #: US20120004660 Pub Dt: 01/05/2012
 Title: MULTI-COMPONENT CORTICAL BONE ASSEMBLED IMPLANT
 Patent #: 9763787 Issue Dt: 09/19/2017 Application #: 12690074 Filing Dt: 01/19/2010
 38 Publication #: US20100268349 Pub Dt: 10/21/2010
 Title: ASSEMBLED IMPLANT
 Patent #: 8394141 Issue Dt: 03/12/2013 Application #: 12807599 Filing Dt: 09/09/2010
 39 Publication #: US20110091516 Pub Dt: 04/21/2011
 Title: MUSCLE-BASED GRAFTS/IMPLANTS
 Patent #: 8669043 Issue Dt: 03/11/2014 Application #: 13399734 Filing Dt: 02/17/2012
 40 Publication #: US20120214149 Pub Dt: 08/23/2012
 Title: CYCLIC IMPLANT PERFUSION, CLEANING AND PASSIVATION PROCESS AND IMPLANT PRODUCED THEREBY
 Patent #: NONE Issue Dt: Application #: 13431459 Filing Dt: 03/27/2012
 41 Publication #: US20120245687 Pub Dt: 09/27/2012

Title: MATERIALS AND METHODS FOR IMPROVED BONE TENDON BONE
TRANSPLANTATION

Patent #: NONE **Issue Dt:** **Application #:** 13593218 **Filing Dt:** 08/23/2012

42 **Publication #:** US20120323324 **Pub Dt:** 12/20/2012

Title: SOFT AND CALCIFIED TISSUE IMPLANTS

Patent #: NONE **Issue Dt:** **Application #:** 13795976 **Filing Dt:** 03/12/2013

43 **Publication #:** US20140005793 **Pub Dt:** 01/02/2014

Title: NOVEL BIOLOGICAL IMPLANT COMPOSITIONS, IMPLANTS AND METHODS

Patent #: NONE **Issue Dt:** **Application #:** 13828363 **Filing Dt:** 03/14/2013

44 **Publication #:** US20130302435 **Pub Dt:** 11/14/2013

Title: XENOGRAFT SOFT TISSUE IMPLANTS AND METHODS OF MAKING AND USING

Patent #: 9207820 **Issue Dt:** 12/08/2015 **Application #:** 13830891 **Filing Dt:** 03/14/2013

45 **Publication #:** US20130257799 **Pub Dt:** 10/03/2013

Title: Method and System for Multi-Touch Decoding

Patent #: NONE **Issue Dt:** **Application #:** 13839440 **Filing Dt:** 03/15/2013

46 **Publication #:** US20130209572 **Pub Dt:** 08/15/2013

Title: XENOGRAFT SOFT TISSUE IMPLANTS AND METHODS OF MAKING

47 **Patent #:** D461248 **Issue Dt:** 08/06/2002 **Application #:** 29123227 **Filing Dt:** 05/12/2000

Title: Assembled bone implants

48 **Patent #:** D583053 **Issue Dt:** 12/16/2008 **Application #:** 29255371 **Filing Dt:** 03/06/2006

Title: ORTHOPEDIC BONE BLOCK

49 **Patent #:** D583054 **Issue Dt:** 12/16/2008 **Application #:** 29255376 **Filing Dt:** 03/06/2006

Title: A SET OF ORTHOPEDIC BONE BLOCK ASSEMBLIES

50 **Patent #:** D583055 **Issue Dt:** 12/16/2008 **Application #:** 29255378 **Filing Dt:** 03/06/2006

Title: ORTHOPEDIC BONE BLOCK ASSEMBLY

51 **Patent #:** D583056 **Issue Dt:** 12/16/2008 **Application #:** 29255379 **Filing Dt:** 03/06/2006

Title: ORTHOPEDIC BONE BLOCK ASSEMBLY

52 **Patent #:** D583473 **Issue Dt:** 12/23/2008 **Application #:** 29255380 **Filing Dt:** 03/06/2006

Title: SET OF ORTHOPEDIC BONE BLOCK ASSEMBLIES

53 **Patent #:** D630748 **Issue Dt:** 01/11/2011 **Application #:** 29303602 **Filing Dt:** 02/12/2008

Title: ORTHOPEDIC BONE BLOCK

54 **Patent #:** D619254 **Issue Dt:** 07/06/2010 **Application #:** 29303603 **Filing Dt:** 02/12/2008

Title: ORTHOPEDIC BONE BLOCK ASSEMBLY

55 **Patent #:** D608891 **Issue Dt:** 01/26/2010 **Application #:** 29329502 **Filing Dt:** 12/16/2008

Title: SET OF ORTHOPEDIC BONE BLOCK ASSEMBLIES

56 **Patent #:** D605768 **Issue Dt:** 12/08/2009 **Application #:** 29329503 **Filing Dt:** 12/16/2008

Title: ORTHOPEDIC BONE BLOCK

57 **Patent #:** D604850 **Issue Dt:** 11/24/2009 **Application #:** 29329504 **Filing Dt:** 12/16/2008

Title: ORTHOPEDIC BONE BLOCK ASSEMBLY

58 Patent #: D625822 Issue Dt: 10/19/2010 Application #: 29350774 Filing Dt: 11/23/2009
Title: ORTHOPEDIC BONE BLOCK ASSEMBLY

59 Patent #: D630329 Issue Dt: 01/04/2011 Application #: 29362510 Filing Dt: 05/26/2010
Title: ORTHOPEDIC BONE BLOCK ASSEMBLY