PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KAREN ROCHE	08/18/2010
CLINT BOYLAN	08/17/2010
DAN MCPHILLIPS	08/16/2010
TIM WALNOFER	08/16/2010
JOSEPH GLEASON	08/16/2010

RECEIVING PARTY DATA

Name:	SPINEOLOGY, INC.	
Street Address:	7800 3RD STREET N, SUITE 600	
City:	ST. PAUL	
State/Country:	MINNESOTA	
Postal Code:	55128	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16166704

CORRESPONDENCE DATA

Fax Number: (612)234-4465

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.

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Correspondent Name: SKAAR ULBRICH MACARI, P.A. **Address Line 1:** 601 CARLSON PARKWAY

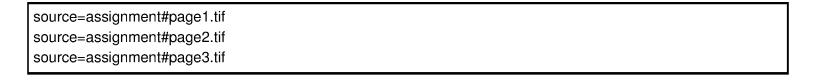
Address Line 2: SUITE 1050

Address Line 4: MINNEAPOLIS, MINNESOTA 55305

ATTORNEY DOCKET NUMBER:	3110.106US06
NAME OF SUBMITTER:	SCOTT G. ULBRICH
SIGNATURE:	/Scott G. Ulbrich/
DATE SIGNED:	10/22/2018
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Total Attachments: 3

PATENT REEL: 047261 FRAME: 0474



PATENT REEL: 047261 FRAME: 0475

Attorney Docket No. 3110.106US02

ASSIGNMENT

WHEREAS, we, Karen Roche, of Stillwater Township, Minnesota, Clint Boylan, of Minneapolis, Minnesota, Dan McPhillips, of Ham Lake, Minnesota, Tim Walnofer, of Stillwater, Minnesota, and Joseph Gleason, of Eagan, Minnesota, have invented certain new and useful improvements in SYSTEM AND METHOD FOR PERFORMING PERCUTANEOUS SPINAL INTERBODY FUSION, for which an application for Letters Patent of the United States has been made, and which may be identified in the United States Patent Office by Application No. 12/650,889, filed December 31, 2009.

WHEREAS, Spineology, Inc. ("Assignee"), a business entity organized and existing under the laws of the State of Minnesota, and having its principal offices at 7800 3rd Street North, Suite 600, St. Paul, Minnesota 55128, is desirous of acquiring the entire right, title and interest in and to said invention, said application and in, to and under any and all Letters Patent to be obtained therefor:

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration to us in hand paid by said Assignee, the receipt of which is hereby acknowledged, we have sold, assigned and transferred, and by these presents do hereby sell, assign and transfer unto the said Assignee, its successors and assigns, our entire right, title and interest in and to said invention, said application, all applications claiming priority to said application including all divisions, continuations or renewals thereof, and the Letters Patent, both foreign and domestic, that may or shall issue, therefrom including all reissues or extensions of such patents including all of our rights under the International Convention, and we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the above mentioned Assignee in accordance herewith.

We hereby authorize the above mentioned Assignee, its successors and assigns, or anyone it may properly designate, to insert in this instrument the date of execution and/or filing date and application number of said application when ascertained.

We further authorize said Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of said United States application and/or otherwise take advantage of the provisions of the International Convention.

Upon said consideration we do hereby covenant and agree with the said Assignee, its successors and assigns, that we will not execute in writing or do any act whatsoever conflicting with these presents, and that we or our executors or administrators will at any time upon request, without further or additional consideration, but at the expense of the said Assignee, its successors and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, or of any and all foreign

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[Notary Seal]

Application No. 12/650,889

countries on said invention, and in enforcing any rights occurring as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

IN WITNESS WHEREOF, we have hereunto set our hands and affixed our seal as dated below.

Date:	8-18-10	Ja H. R.C.
		Karen ROCHE
4.	id sworn to before me f fugust, 2010	
Kell I Notary Public	Mann	KELLY P. MANN NOTARY PUBLIC - MINNESOTA My Commission Expires Jan. 31, 2015
[Notary Seal]		
V Date:	8/17/10	Clint ROVI AN
A. C.	4	Clint BOYLAN
Subscribed arthis 11 th day o	nd sworn to before me f <u>Augus</u> , 2010	
1/ . 0	4	

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Application No. 12/650,889

Date: 6-16-10 Dan M	2 Mulley Phillips
Subscribed and sworn to before me this Hethoday of Angust, 2010	
Notary Public [Notary Seal] KELLY P. MANN NOTARY PUBLIC - MINIMESOTA by Commission Expires Jan. 31, 2015	~
Date: 5-16-10 Tim W	ALNOFER
Subscribed and sworn to before me this 16" day of August, 2010	
Kell P. Mann	
[Notary Seal] KELLY P. MANN NOTARY PUBLIC - MINNESOTA My Commission Expires Jan. 31, 2015	
Date: 8/16/10 Joseph	gent Bleas GLEASON
Subscribed and sworn to before me this It day of August, 2010	
Kell Marn Notary Public	
[Notary Seal]	

PATENT REEL: 047261 FRAME: 0478

KELLY P. MANN
NOTARY PUBLIC - MINNESOTA
My Commission Expires Jan. 31, 2015