505022618 07/26/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5069367

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
ANDERS HEDBLOM	09/04/2017
LUDVIG MANGS	09/04/2017
ROLF SCHEIDERBAUER	08/28/2017
STEFAN LINDHOLM	08/22/2017

RECEIVING PARTY DATA

Name:	SECTRA AB	
Street Address:	TEKNIKRINGEN 20	
City:	LINKÖPING	
State/Country:	SWEDEN	
Postal Code:	SE-583 30	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16046181

CORRESPONDENCE DATA

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Correspondent Name: MYERS BIGEL, P.A. Address Line 1: PO BOX 37428

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ATTORNEY DOCKET NUMBER:	9514-23	
NAME OF SUBMITTER:	JULIE H. RICHARDSON	
SIGNATURE:	/Julie H. Richardson/	
DATE SIGNED:	07/26/2018	

Total Attachments: 6

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> PATENT REEL: 046473 FRAME: 0685

Attorney Docket No. 9514-23PR

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Anders Hedblom**, residing in Linköping, Sweden; **Rolf Scheiderbauer**, residing in Linköping, Sweden; **Stefan Lindholm**, residing in Linköping, Sweden; and **Ludvig Mangs**, residing in Linköping, Sweden;

WITNESSETH: That.

WHEREAS, we are joint inventors of certain new and useful improvements in AUTOMATED PLANNING SYSTEMS FOR PEDICLE SCREW PLACEMENT AND RELATED METHODS for which U.S. Provisional Application No. 62/543,738 was filed on August 10, 2017 in the United States Patent and Trademark Office; and

WHEREAS, Sectra AB, a corporation organized under the laws of the country of Sweden, having a principal place of business at Teknikringen 20, SE-583 30 Linköping, Sweden, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said provisional application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said Assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and provisional application, and in and to any and all subsequent patent applications which claim the benefit of priority from said provisional application including regular utility, continuations, and continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted for the invention in or on applications claiming the benefit of priority from said provisional application, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereof or therefor, together with the right to claim the benefit of priority from said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

> PATENT REEL: 046473 FRAME: 0686

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and provisional application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to promptly communicate to said Assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the Assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the Assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said Assignee, its successors, assigns, and other legal representatives; and we hereby instruct, and further covenant and agree to bind our heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said Assignee or its representatives.

			I have hereunto set my hands and seal on this _	<u>፡} </u>
_	Nacional State	20 (m)		

Anders Hedblom

(SEAL)

Witness

2012-09-04

Date

Witnes

1017-01-04

Date

	ereunto set my hands and seal on thisday
of <u>Systember</u> , 2017.	
(SEA	L)
Ludvig Mangs	
	Witness
	2017-09-04
	Date
	GRANG
	Witness
	2017-09-04

Date

IN WITNESS WHEREOF, I have hereun of 30 gust 2013. (SEAL)	to set my hands and seal on this <u>रिश्रं</u> day
Rolf Scheiderbauer	Fredrik Bryndlason
	Witness 28/8-2014
	Date
	Anders Vedblown
	Witness 28/8 2517
	Date

IN WITNESS WHERECO	F, I have hereunto	set my hands and seal on this day
	(SEAL)	
Stefan Lindholm		
		Witness
		20(2-08-22
	Green Control	Date
		D-H-
		Witness
		2017-08-22
		Date

IN WITNESS WHEREOF, the Assignee, by signature below, hereby confirms and accepts receipt of this assignment. The undersigned warrants and represents that he/she has the authority to sign this Assignment on behalf of the Assignee, Sectra AB.

By: C/ Constant (SEAL)

Class Lundström

Title: Research Director

Date: Sep 11, 2017