

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5197165

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
INTEGRATED SENSING SYSTEMS, INCORPORATED	10/19/2018

RECEIVING PARTY DATA

Name:	EDWARDS LIFESCIENCES LLC
Street Address:	ONE EDWARDS WAY
City:	IRVINE
State/Country:	CALIFORNIA
Postal Code:	92164

PROPERTY NUMBERS Total: 11

Property Type	Number
Patent Number:	6926670
Patent Number:	6968743
Patent Number:	7211048
Patent Number:	7615010
Patent Number:	7686762
Patent Number:	8014865
Patent Number:	8267863
Patent Number:	8322346
Patent Number:	10022054
Application Number:	15186930
Patent Number:	9168005

CORRESPONDENCE DATA

Fax Number: (412)281-0717

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PATENT

ATTORNEY DOCKET NUMBER:	146568.00004
NAME OF SUBMITTER:	ALEXANDRA GERRISH
SIGNATURE:	/Alexandra Gerrish/
DATE SIGNED:	10/19/2018
Total Attachments: 4 source=IPSecurityAgreement#page1.tif source=IPSecurityAgreement#page2.tif source=IPSecurityAgreement#page3.tif source=IPSecurityAgreement#page4.tif	

PATENT SECURITY AGREEMENT

THIS PATENT SECURITY AGREEMENT, dated as of October 19, 2018, is made by Integrated Sensing Systems, Incorporated (ISS) as “Grantor,” in favor of Edwards Lifesciences LLC, as “Lender.”

WITNESSETH:

WHEREAS, the Grantor and the Lender have entered into a Master Note Purchase Agreement, dated as of October 19, 2018 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “Note Purchase Agreement”) pursuant to which the Grantor is required to execute and deliver this Patent Security Agreement;

NOW, THEREFORE, in consideration of the premises and to induce the Lender to enter into the Note Purchase Agreement and to induce the Lender to purchase the Notes from the Grantor thereunder, the Grantor hereby agrees with the Lender as follows:

Section 1. Defined Terms. Capitalized terms used herein without definition are used as defined in the Secured Convertible Promissory Note or the Note Purchase Agreement.

Section 2. Grant of Security Interest in Patent Collateral. Each Grantor, as collateral security for the prompt and complete payment and performance when due (whether at stated maturity, by acceleration or otherwise) of the obligations of such Grantor arising under or in connection with the Secured Convertible Promissory Note or the Note Purchase Agreement, hereby mortgages and pledges to the Lender and grants to the Lender a Lien on and security interest in, all of its right, title and interest in, to and under the following Pledged Collateral of such Grantor, in each case that are related to the Sensors and Readers (as defined in the Note Purchase Agreement) (the “*Patent Collateral*”):

- (a) all of its Patents and all licenses providing for the grant by or to such Grantor of any right under any Patent listed on Schedule I hereto;
- (b) all reissues, reexaminations, continuations, continuations-in-part, divisionals, and extensions of the foregoing; and
- (c) all income, royalties, proceeds and liabilities at any time due or payable or asserted under and with respect to any of the foregoing, including all rights to sue and recover at law or in equity for any past, present and future infringement, misappropriation, violation or other impairment thereof.

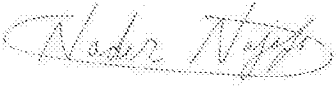
ISS certifies that the Patent Collateral provided in Schedule I is a complete set of its Patents required for the manufacturing and commercialization of Sensors and Readers for all applications including the Application, but excluding (1) catheter-delivered technology, products, and applications; (2) nonsurgical anchoring technology, products, and applications; and (3) nonsurgical delivery technology, products, and applications.

Section 3. Grantor Remains Liable. Each Grantor hereby agrees that, anything herein to the contrary notwithstanding, such Grantor shall assume full and complete responsibility for the prosecution, defense, enforcement or any other necessary or desirable actions in connection with their Patents subject to a security interest hereunder.

Section 4. Governing Law. **THIS PATENT SECURITY AGREEMENT AND THE RIGHTS AND OBLIGATIONS OF THE PARTIES HERETO SHALL BE GOVERNED BY, AND CONSTRUED AND INTERPRETED IN ACCORDANCE WITH, THE LAW OF THE STATE OF DELAWARE WITHOUT REFERENCE TO CONFLICTS OF LAW PROVISIONS.**

IN WITNESS WHEREOF, each Grantor has caused this Patent Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

Integrated Sensing Systems, Incorporated, as
Grantor

By: 
Name: Nader Naajfi
Title: President and CEO

SCHEDULE I
TO
PATENT SECURITY AGREEMENT

1. REGISTERED PATENTS

- 1) The issued patents pertaining to the Sensors and Readers that are listed in the following tables.

ISS Issued US Patents			
1	6,926,670	08/09/05	Wireless MEMS Capacitive Sensor For Physiologic Parameter Measurement
2	6,968,743	11/29/05	Implantable Sensing Device For Physiologic Parameter Measurement
3	7,211,048	05/01/07	System for Monitoring Conduit Obstruction
4	7,615,010	11/17/09	System for Monitoring the Physiologic Parameters of Patients with Congestive Heart Failure
5	7,686,762	03/30/10	Wireless Device and System for Monitoring Physiologic Parameters
6	8,014,865	09/06/11	Method for Monitoring Physiologic Parameter of Patients with Congestive Heart Failure
7	8,267,863	09/18/12	Procedure and System for Monitoring a Physiological Parameter within an Internal Organ of a Living Body
8	8,322,346	12/04/12	Minimally-Invasive Procedure for Monitoring a Physiological Parameter within an Internal Organ
9	9,168,005	10/27/15	Minimally-Invasive Procedure for Monitoring a Physiological Parameter Within an Internal Organ
10	10,022,054	07/17/18	Implantable Wireless Sensor Systems

ISS Issued International Patents				
No.	Country	Patent #	Grant Date	Title
1	Germany	2 139 385	10/29/14	Procedure and System for Monitoring a Physiological Parameter within an Internal Organ of a Living Body
	France			
	United Kingdom			

2. PATENT APPLICATIONS

1) The applications for patents pertaining to the Sensors that are listed in the following tables.

ISS US Pending Patents			
No.	Application #	Filing Date	Title
1	15/186,930	6/20/2016	Minimally-Invasive Procedures for Monitoring Physiological Parameters within Internal Organs and Anchors Therefor

ISS US Provisional Patents	
No.	Title
1	Advanced Attachment, Anchoring, and Delivery of Implants
2	Advanced Sensing Implants
3	Anchor and Delivery Methods for Intelligent Wireless Implants
4	Intelligent Implantable Hemodynamic Monitors