505525326 06/14/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5572131

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NICHOLAS M. BENSON	08/20/2018
RICHARD L. BROWN	07/20/2018
NEWTON H. METCALF	07/24/2018
CLARK B. NORGAARD	07/27/2018
STEVEN D. GLASSMAN	07/24/2018
SHANE BURCH	08/16/2018
DOMAGOJ CORIC	08/07/2018
ROBERT A. FIELDS	09/04/2018
SETH GEORGIAN	08/17/2018
WING AU	07/31/2018

RECEIVING PARTY DATA

Name:	WARSAW ORTHOPEDIC, INC.
Street Address:	2500 SILVEUS CROSSING
City:	WARSAW
State/Country:	INDIANA
Postal Code:	46582

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16132094

CORRESPONDENCE DATA

Fax Number: (901)345-1583

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: 9013963133

Email: rs.patents.two@medtronic.com

Correspondent Name: MEDTRONIC SPINAL AND BIOLOGICS

Address Line 1:2600 SOFAMOR DANEK DRIVEAddress Line 4:MEMPHIS, TENNESSEE 38132

ATTORNEY DOCKET NUMBER: C00018222.USU1

PATENT 505525326 REEL: 049467 FRAME: 0864

NAME OF SUBMITTER:	WILLIAM R. RICHTER	
SIGNATURE:	/William R. RICHTER, Reg. #43879/	
DATE SIGNED:	06/14/2019	
Total Attachments: 13		
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PATENT REEL: 049467 FRAME: 0865

ASSIGNMENT

W	Н	\mathbf{E}	R1	E.,	Α.	S

(1)	Nicholas M. Benson	of the City of Collierville State of Tennessee, USA
(2)	Richard L. Brown	of the City of Mesa State of Arizona, USA
(3)	Newton H. Metcalf	of the City of Memphis State of Tennessee, USA
(4)	Clark B. Norgaard	of the City of Phoenix State of Arizona, USA
(5)	Steven D. Glassman	of the City of Louisville State of Kentucky, USA
(6)	Shane Burch	of the City of San Anselmo State of California, USA
(7)	Domagoj Coric	of the City of Charlotte State of North Carolina, USA
(8)	Robert A. Fields	of the City of Memphis State of Tennessee, USA
(9)	Seth Georgian	of the City of San Diego State of California, USA
(10)	Wing Au	of the City of Saratoga, State of California , USA
have invented certain improvements in: WEARABLE SENSOR DEVICE AND ANALYSIS PLATFORM FOR OBJECT		

WEARABLE SENSOR DEVICE AND ANALYSIS PLATFORM FOR OBJECTIVE OUTCOME ASSESSMENT IN SPINAL DISEASES

for which we have executed an application for Letters Patent of the United States of America,

	of even date herewith; and
X	filed on September 24, 2018 and assigned application number 16/132,094;

WHEREAS, we hereby authorize and request the attorneys of Assignee, Warsaw Orthopedic, Inc., of 2500 Silveus Crossing, Warsaw, Indiana 46582, to insert the filing date and application number of the application when known; and

WHEREAS, Warsaw Orthopedic, Inc. (Assignee), a corporation organized and existing under the laws of the State of Indiana, having its principal office and place of business in the City of Warsaw, State of Indiana, is desirous of obtaining the entire right, title, and interest in, to and under the invention and the application in the United States of America and in any and all countries foreign thereto;

1

NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the invention, and the application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for the invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications for which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty is to issue patents on applications as aforesaid, to issue all Letters Patent for the invention to the Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant 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.

Inventor Name:	Nicholas M. Benson	
Address:	1146 Talamore Cove	
Dated: 8/26/18	Collierville Tennessee 38017	
/ /	Nicholas M. Benson	
STATE OF LEANESSEE	**	
COUNTY OF Shulley		
On this the 20 day of August	., 2018, before me personally appo	eared
Nicholas M. Benson, to me known (or proved		
person described in and who executed the forego	oing instrument, and acknowledged	d that he executed the
same as his free act and deed.	Â	
WITNESS MY HAND and Seal at office this th	e day of August	2018.
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	- X O X (-	55.
Notary	Public	£ -
My Commission Expires:		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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		TENNESSEE NOTARY
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AND WE HEREBY covenant 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.

	7.5
Inventor Name:	Richard L. Brown
Address:	11260 E. Rembrandt Ave.
	Mesa, Arizona 85212
G.GGG	/4/ ·
Dated: 10 10 20, 2018	1WY G B V
	Richard L. Brown
STATE OF ASI Arizona	
33c.	•
COUNTY OF MARICO Da	•
•	
7-74	
On this the 20th day of July	_, 2018, before me personally appeared
	o me on the basis of satisfactory evidence) to be the
	oing instrument, and acknowledged that he executed the
same as his free act and deed.	
NUMBER OF STREET STREET, STREET STREET, STREET STREET, STREET STREET,	and the first care
WITNESS MY HAND and Seal at office this th	e_ <u>&O</u> day or
And the second s	*
	a) Ciparan
Notary	Public
. Water y	V about
My Commission Expires:	DENISE CIPRESSI
My Commission Expires:	Notary Public - States of Arterina
3	NAVIOUPA COUNTY NY Commission Expires
	Lab 21 2018

NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the invention, and the application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for the invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications for which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty is to issue patents on applications as aforesaid, to issue all Letters Patent for the invention to the Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant 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.

Inventor Name: Address:	Newton II. Metcalf
Address.	2951 Tishomingo Ln Memphis, Tennessee 38111
Dated: 7/24/18	Newton H. Metcalf
STATE OF TEAMESSEE	
COUNTY OF	₩
person described in and who executed the forego same as his free act and deed.	o me on the basis of satisfactory evidence) to be the bing instrument, and acknowledged that he executed the
WITNESS MY HAND and Seal at office this th	e all day of July 18018.
Notary	Public Hammer V. SUS
My Commission Expires:	

NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the invention, and the application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for the invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications for which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty is to issue patents on applications as aforesaid, to issue all Letters Patent for the invention to the Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant 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 Assignee, its successors, legal representatives and assigns, any facts known to me respecting the invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the Assignee, its successors, legal representatives and assigns, to obtain and enforce patent protection for the invention in all countries.

Inventor Name:	Clark B. Norgaard
Address:	15839 S 10th Place
	Phoenix, Arizona 85048
Dated: 7/27/2018	CLLB Hozons
	Clark B. Norgaard
STATE OF <u>ARIZONA</u>	
COUNTY OF MACLOPA	
	, 2018, before me personally appeared ed to me on the basis of satisfactory evidence) to be the egoing instrument, and acknowledged that he executed the
WITNESS MY HAND and Seal at office this	the <u>3</u> day of <u>3044</u> , 2018.

ROBBIN BRIGHAM
Nelsry Public, State of Arizons
Maricops County
My Commission Expires
May 15, 2020

My Commission Expires: ケ〜15ーよりる〇 Notary Public

NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the invention, and the application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for the invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications for which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby suthorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty is to issue patents on applications as aforesaid, to issue all Letters Patent for the invention to the Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant 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.

Inventor Name:	Steven D. Glassman	
Address:	210 E. Gray Street	
	Louisville, Kentucky 40202	
Dated: 7/24/18	The state of the s	
	Steven D. Glassman	
ÿ		
STATE OF Kentucky		
COUNTY OF JETFERSONS	noo	
On this the <u>34th</u> , day of <u>TVIV</u> Steven D. Glassman, to me known (of proved person described in and who executed the foregressme as his free act and deed.	I to me on the basis of satisfactory evidence) to	o be the ecuted the second
WITNESS MY HAND and Seal at office this th	awi L. Smal	PUBLIC PUBLIC ID NO. 58980 BY COMMISSION STATES 422000
My Commission Expires:	s and	Vist in the

NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the invention, and the application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for the invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications for which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty is to issue patents on applications as aforesaid, to issue all Letters Patent for the invention to the Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

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Inventor Name:	Shane Burch		
Address:	16 Canyon Road		
	San Anselmo, Californ	ia 94960	
Dated: Aug 16/201	8 <i>A</i> F		
0 /	Shane, Burch).	
STATE OF CONFERNIC			
COUNTY OF San Fran	<u>(Sco</u>	eringa esen i e e	
			747
On this the C day of	المجانب لين المجانب بين المجانب المحانب المحانب المجانب المجانب المجانب المجانب المجانب المحانب المجانب المحانب المدانب المدا	ally appeared	
Shane Burch, to me known (or p described in and who executed the his free act and deed.	roved to me on the basis of satisfactory foregoing instrument, and acknowledge	evidence) to be the person	
WITNESS MY HAND and Seal at	t office this the 16 day of Aligh	<u>†</u> , 2018.	
		and the second s	
	Notary Public		
My Commission Expires:			
The state of the		LAUREL SHANE COMM. 8 2140941	ľΩ
		NOTARY PUBLIC - CALIFORNIA SAN FRANCISCO COUNTY	188

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NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the invention, and the application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for the invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications for which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty is to issue patents on applications as aforesaid, to issue all Letters Patent for the invention to the Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant 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.

Inventor Name:	Domagoj Coric
Address:	925 Harvard Place
	Charlotte, North Carolina 28207
Dated: 8/7/2018	.grang.
STATE OF NORTH CO	<u>avolivo</u>
COUNTY OF Mack Jon	iburd
Domagoj Coric, to me known (or pr	40451, 2018, before me personally appeared rowed to me on the basis of satisfactory evidence) to be the person regoing instrument, and acknowledged that he executed the same as
WITNESS MY HAND and Seal at off	fice this the That day of August, 2018. 2 Carel J. Whaleoff Notary Public
My Commission Expires: 25, 7	RAGUEL T. SCHARKOPF Noterly Public North Cerolina

NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the invention, and the application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for the invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications for which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty is to issue patents on applications as aforesaid, to issue all Letters Patent for the invention to the Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

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Inventor Name:	Robert A. Fields 4585 Crossover Lane
Address:	Memphis, Tennessee 38117
Dated: <u>9/4/18</u>	Robert A. Fields
STATE OF TOAMS STATE	
COUNTY OF Shelley	
On this the day of	2018, before me personally appeared one on the basis of satisfactory evidence) to be the person astrument, and acknowledged that he executed the same as
WITNESS MY HAND and Seal at office this	the day of Splenbag 2018;
WITHESS WITHING and Seattle trial	2008 Quinning
Nota	ry Public
My Commission Expires:	TENNESGEE NOTARY PUBLIC
	9 Manager College

NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the invention, and the application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for the invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications for which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty is to issue patents on applications as aforesaid, to issue all Letters Patent for the invention to the Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant 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.

Inventor Name:	Seth Georgion
Address:	5649 Mill Peak Road
	San Diego, California 92120
Dated: <u><u></u><u><u></u><u><u></u><u><u></u><u><u></u><u><u></u><u> </u><u> </u><u> </u></u></u></u></u></u></u>	Ih Mende
Dated:	Seri Georgion
STATE OF <u>California</u>	
COUNTY OF <u>SAN DICA</u>	<u> </u>
On this the 11 day of	AUGUSE, 2018, before me personally appeared
Seth Georgion, to me known (C	or proved to me on the basis of satisfactory evidence) to be the person
	the foregoing instrument, and acknowledged that he executed the same
his free act and deed.	
WITNESS MV HAND and Sea	lat office this the 17 day of August 2018.
WILINESS MILITAND and Sea	rat office and and an
	, , ,
	Jee attacked Notary
	Notary Public
My Commission Expires:	
May 8, 2019	

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

State of California County of <u>San Diego</u>	*) ***********************************
On Avaust 17, 2018 before me,	Brandy Thomas, Notary Public
Date	Here Insert Name and Title of the Officer
personally appeared <u>Seth</u>	Georgian
	Name(s) of Signer(s)
who proved to me on the basis of satisfact subscribed to the within instrument and ackn his/her/their authorized capacity(les), and that bothe entity upon behalf of which the person(s	ory evidence to be the person(s) whose name(s)/[s/an owisdged to me that he/she/they executed the same in y bis/her/their signature(s) on the instrument the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph
	is true and correct.
	WITNESS my hand and official seal.
	Signature_B\R
AV Committee His Burger St.	Signature of Notary Public
Place Notary Seal Above	PTIONAL Is Information can deter alteration of the document or
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Though this section is optional, completing the fraudulent reattachment of the fraudulent of Pages:	Document Date; an Named Above; Signer's Name; Corporate Officer — Title(s); Partner — Cumited Concernation Individual Cattorney in Fact
Though this section is optional, completing the fraudulent reattachment of the fraudulent reattachment of the fraudulent reattachment of the fraudulent reattachment of the fraudulent of Pages: Signer(s) Other Trespective (see the fraudulent of Pages: Signer(s) Other Trespective (see the fraudulent of Pages: Signer's Name: Corporate Officer — Title(s): Partner — □ Limited □ General Individual □ Attorney in Fact	Document Date; Document Date; Ian Named Above; Signer's Name; Corporate Officer — Title(s); Partner — □ Limited □ General □ Individual □ Attorney in Fact □ Trustee □ Guardian or Conservator

PATENT REEL: 049467 FRAME: 0876

NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the invention, and the application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for the invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications for which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty is to issue patents on applications as aforesaid, to issue all Letters Patent for the invention to the Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

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Inventor Name:	Wing Au
Address:	19830 Viewridge Drive
Dated: 7/11/18	Saratoga, California 95070 Wing Au
STATE OF	
COUNTY OF	
	_, 2018 before me personally appeared e basis of satisfactory evidence) to be the person strument, and acknowledged that he executed the same as
WITNESS MY HAND and Seal at office this th	ee day of, 2018.
<u>Je e.</u> Notary	attached cardolary cont
My Commission Expires:	

<u>CALIFORNIA ALL PURPOSE ACKNOWLEDGMENT</u>

A notary public or other officer completing this signed the document to which this certificate i of that document.	s certificate verifies only the identity of the individual who is attached, and not the truthfulness, accuracy, or validity
State of <u>California</u>	
County of Santa class	
On 7 31118 before me,	Sunita Singh, Notary Public, Name and Title of Officer
personally appeared Laling	<u>tu</u>
(Name of Signer(s))	
SUNITA SINGH Notary Public - Catifornia Santa Clara County Commission # 2171583 My Commission # 2020	who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
	WITNESS my hand and official seal Signature of Notary Public My Commission Expires: Nov 18, 2020
OPTIONA	L INFORMATION
Title or Type of Document:	Janes J.

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