PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5784236

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GEORGE L. MATLOCK	10/03/2019
JOHN H. THINNES JR.	10/03/2019
JORDAN R. TROTT	10/14/2019
KARTHICK RAMYAN MOHAN	10/22/2019

RECEIVING PARTY DATA

Name:	ACCLARENT, INC.
Street Address:	31 TECHNOLOGY DRIVE, SUITE 200
City:	IRVINE
State/Country:	CALIFORNIA
Postal Code:	92618

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16553384

CORRESPONDENCE DATA

Fax Number: (513)651-6981

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: 5136516800

Email: jdewar@fbtlaw.com **Correspondent Name:** ANDREW B. ULMER

Address Line 1: 301 EAST FOURTH STREET Address Line 2: 3300 GREAT AMERICAN TOWER

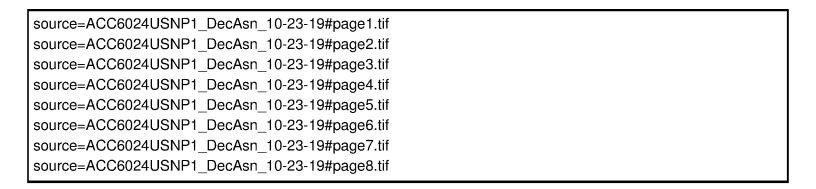
Address Line 4: CINCINNATI, OHIO 45202

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24USNP1.0723154
EW B. ULMER
w B. Ulmer/
2019
cument serves as an Oath/Declaration (37 CFR 1.63).
<u>ا</u>

Total Attachments: 8

PATENT REEL: 050804 FRAME: 0378

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COMBINED DECLARATION AND ASSIGNMENT		
Title of Invention: DILATION CATHETER TI	P REMOVAL INSTRUMENT	
This declaration and assignment is directed to:	The attached or filed herewith application of (list of named inventors),	
Or		
	The United States application or PCT international application	
Declaration	number <u>16/553,384</u> filed on <u>August 28, 2019</u> .	
As the below named inventor, I hereby decla	are that:	
The above-identified application ("Applicati	on") was made or authorized by me.	
I believe that I am the original inventor or ar	original inventor of a claimed invention or discovery in the Application.	
I have reviewed and understood the conten information which is material to patentability as defin Application in the United States of America.	ts of the Application, including the claims, and I acknowledge the duty to disclose the discount of the Interest of the Intere	
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both for filings of this Application in the United States of America.		
Assignment		
Ac	Acclarent, Inc. 31 Technology Drive, Suite 200 Irvine, CA 92618 orporation of the state of Delaware nafter designated as the "Assignee"),	
I hereby acknowledge that I have assigned twhich is hereby conformed for recordation in the US	the above-identified invention by previous assignment (attached hereto) to Assignee Patent Office and I confirm I have and do assign and transfer:	
or .		
For good and valuable consideration, the sufficient transferred to Assignee:	ficiency of which is acknowledged, I hereby assign and transfer and/or have assigned	
my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.		
Office, any other patent offices, and under the Patent any reexamination of any of such applications, and	the Application in the United States Patent and Trademark Office, European Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any patent term extensions or supplementary protection certificates of any such its in connection with such applications as the Assignee may deem necessary or	
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I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

George	<u>L.</u>	Matlo	ck	
LEGAL	. N.	AME	OF	INVENTOR

Signature

Date

COMBINED DECLARATION AND ASSIGNMENT

COME	71111111	DECLARATION AND ASSIGNMENT	
Title of Invention: DILATION CATH	ETER T	IP REMOVAL INSTRUMENT	
This declaration and assignment is directed	to:	The attached or filed herewith application of (list of named inventors),	
	Or		
	\boxtimes	The United States application or PCT international application number 16/553,384 filed on August 28, 2019.	
Declaration			
As the below named inventor, I he	reby decl	are that:	
The above-identified application ("Applicat	tion") was made or authorized by me.	
I believe that I am the original inve	entor or a	in original inventor of a claimed invention or discovery in the Application.	
I have reviewed and understood the contents of the Application, including the claims, and I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of this Application in the United States of America.			
I hereby acknowledge that any wi imprisonment of not more than five (5) year	illful falsers, or bot	e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or h for filings of this Application in the United States of America.	
Assignment			
		Acclarent, Inc. 31 Technology Drive, Suite 200 Irvine, CA 92618 corporation of the state of Delaware einafter designated as the "Assignee"),	
☐ I hereby acknowledge that I have which is hereby conformed for recordation	assigned	the above-identified invention by previous assignment (attached hereto) to Assignee Patent Office and I confirm I have and do assign and transfer:	
or			
For good and valuable consideration and transferred to Assignee:	on, t he su	ifficiency of which is acknowledged, I hereby assign and transfer and/or have assigned	
right to claim priority to the Application, all European Patent Office and of all other coinventions or discoveries and all rights in statement, and to all Letters Patent that may protection certificates, reexaminations, rene	I invention ountries, such App be grantewals, an ch such I	e Application, including all priority rights for other countries arising therefrom and the ons or discoveries therein disclosed, and any and all Letters Patent of the United States, which may be granted for such inventions or discoveries, or any of them, all such discation including any and all provisionals, substitutions, divisions, and continuations ted for said inventions and discoveries, and in and to all extensions, supplementary d reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment Letters Patent may be granted, as fully and entirely as the same would have been held the been made.	
Office, any other patent offices, and under any reexamination of any of such applications	the Pater ations, ar	ith the Application in the United States Patent and Trademark Office, European Patent nt Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, and any patent term extensions or supplementary protection certificates of any such ents in connection with such applications as the Assignee may deem necessary or	
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I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignce, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

John H. Thinnes, Jr. LEGAL NAME OF INVENTOR

Signature

COMBINED DECLARATION AND ASSIGNMENT

COMI	MARIN	DECLARATION AND ASSIGNMENT
Title of Invention: DILATION CATH	ETER T	IP REMOVAL INSTRUMENT
This declaration and assignment is directed	to:	The attached or filed herewith application of (list of named inventors),
	Or	
	\boxtimes	The United States application or PCT international application number 16/553,384 filed on August 28, 2019.
Declaration		number 107353,504 filed on <u>Magast 20, 2012</u> .
As the below named inventor, I he	reby dec	lare that:
The above-identified application ('Applica	tion") was made or authorized by me.
I believe that I am the original inve	entor or a	n original inventor of a claimed invention or discovery in the Application.
I have reviewed and understood to information which is material to patentability Application in the United States of America	ty as defi	nts of the Application, including the claims, and I acknowledge the duty to disclose ned in Title 37, the United States Code of Federal Regulations, §1.56 for filings of this
		e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or h for filings of this Application in the United States of America.
Assignment		
	Ā	Acclarent, Inc. 31 Technology Drive, Suite 200 Irvine, CA 92618
		corporation of the state of Delaware einafter designated as the "Assignee"),
		the above-identified invention by previous assignment (attached hereto) to Assignee Patent Office and I confirm I have and do assign and transfer:
or		
For good and valuable consideration and transferred to Assignee:	on, the su	fficiency of which is acknowledged, I hereby assign and transfer and/or have assigned
right to claim priority to the Application, all European Patent Office and of all other co- inventions or discoveries and all rights in s thereof, and to all Letters Patent that may protection certificates, reexaminations, rene	l inventicountries, such App be grantewals, an ch such I	e Application, including all priority rights for other countries arising therefrom and the one or discoveries therein disclosed, and any and all Letters Patent of the United States, which may be granted for such inventions or discoveries, or any of them, all such lication including any and all provisionals, substitutions, divisions, and continuations ted for said inventions and discoveries, and in and to all extensions, supplementary d reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment Letters Patent may be granted, as fully and entirely as the same would have been held the been made.
Office, any other patent offices, and under any reexamination of any of such applica	the Pater tions, ar	th the Application in the United States Patent and Trademark Office, European Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, and any patent term extensions or supplementary protection certificates of any such ents in connection with such applications as the Assignee may deem necessary or
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I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

JUIUAN N. ITUU	Jordan R. Trott
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LEGAL NAME OF INVENTOR

Signature

10/14/19

Date

	23 / pp. 104.104 / 107.355,504
COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention: DILATION CATHETER T	'IP REMOVAL INSTRUMENT
This declaration and assignment is directed to:	The attached or filed herewith application of (list of named inventors),
Or	
	The United States application or PCT international application number 16/553,384 filed on August 28, 2019.
Declaration	
As the below named inventor, I hereby dec	lare that:
The above-identified application ("Applica	tion") was made or authorized by me.
I believe that I am the original inventor or a	an original inventor of a claimed invention or discovery in the Application.
	ents of the Application, including the claims, and I acknowledge the duty to disclose ined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of this
	se statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or the for filings of this Application in the United States of America.
Assignment	
	Acclarent, Inc. 31 Technology Drive, Suite 200
A	Irvine, CA 92618 corporation of the state of Delaware
	einafter designated as the "Assignee"),
	the above-identified invention by previous assignment (attached hereto) to Assignee S Patent Office and I confirm I have and do assign and transfer:
or	
For good and valuable consideration, the su and transferred to Assignee:	of which is acknowledged, I hereby assign and transfer and/or have assigned
right to claim priority to the Application, all invention European Patent Office and of all other countries, inventions or discoveries and all rights in such App thereof, and to all Letters Patent that may be grant protection certificates, reexaminations, renewals, an	e Application, including all priority rights for other countries arising therefrom and the ons or discoveries therein disclosed, and any and all Letters Patent of the United States, which may be granted for such inventions or discoveries, or any of them, all such dication including any and all provisionals, substitutions, divisions, and continuations ted for said inventions and discoveries, and in and to all extensions, supplementary d reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment Letters Patent may be granted, as fully and entirely as the same would have been held been made.
Office, any other patent offices, and under the Pater any reexamination of any of such applications, an	ith the Application in the United States Patent and Trademark Office, European Patent at Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, and any patent term extensions or supplementary protection certificates of any such ents in connection with such applications as the Assignee may deem necessary or
	<u>, </u>

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

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I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

LEGAL NAME OF INVENTOR	
R. M. Negh.	22 /oct /2019
Signature	Date

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Karthick Ramyan Mohan