### 505319279 02/07/2019

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5366060

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
DANIELA HALL	02/01/2019
BRUNO FLAMENT	02/01/2019
JONATHAN BAUDOT	02/01/2019
ETIENNE DE FORAS	02/04/2019
HARIHAR NARASIMHA-IYER	02/01/2019

#### RECEIVING PARTY DATA

Name:	INVENSENSE, INC.
Street Address:	1745 TECHNOLOGY DRIVE #200
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95110

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16270480

#### **CORRESPONDENCE DATA**

**Fax Number:** (831)722-2350

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:** 408-377-0500

**Email:** patents@wagnerblecher.com

Correspondent Name: INVENSENSE C/O WAGNER BLECHER LLP

Address Line 1: 123 WESTRIDGE DRIVE

Address Line 4: WATSONVILLE, CALIFORNIA 95076

ATTORNEY DOCKET NUMBER:	IVS-862
NAME OF SUBMITTER:	EMILIE BENSCHOTER
SIGNATURE:	/Emilie Benschoter/
DATE SIGNED:	02/07/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).
	-

Total Attachments: 5

PATENT REEL: 048271 FRAME: 0652

505319279

source=IVS-862\_20190207\_Dec-ASGN#page1.tif source=IVS-862\_20190207\_Dec-ASGN#page2.tif source=IVS-862\_20190207\_Dec-ASGN#page3.tif source=IVS-862\_20190207\_Dec-ASGN#page4.tif source=IVS-862\_20190207\_Dec-ASGN#page5.tif

Submitted for dual purpose of recording an assignment.

Use an additional form for each additional inventor.

A copy of this assignment will be submitted separately to the Recording Branch.

		***************************************
Title of	DADICEL D. GONTANINATION DETECTION	Attorney Docket No.
Invention	DARKFIELD CONTAMINATION DETECTION	IVS-862
		Client Reference No. IVS-862
As the belo	w named inventor, I hereby declare that:	
This declar	the attached application of	
	United States application or PCT international application number	
	filed on	
The above-	dentified application was made or authorized to be made by me.	
I believe tha	t I am the original inventor or an original joint inventor of a claimed invention in the a	pplication.
by fine or im	mowledge that any willful false statement made in this declaration is punishable under prisonment of not more than five (5) years, or both.	
I hereby sta amended by	te that I have reviewed and understand the contents of the above-identified specificar any amendment referred to above; and	tion, including the claims, as
	nowledge the duty to disclose information that is material to patentability as defined , Section 1.56.	in Title 37, Code of Federal
	ASSIGNMENT OF RIGHTS IN PATENT APPLICATION	
(Assigneets	) InvenSense, Inc.	
	1745 Technology Drive #200, San Jose, CA 95110 US	
I, the undersigned hereby sell, assign, and transfer to the above-identified Assignee(s), in furtherance of my obligations to the Assignee(s) and its subsidiaries and affiliates, and do hereby assign and transfer unto said Assignee(s), its successors and assigns, the entire right, title and interest, including the right of priority, in the invention, to and under an application for Letters Patent of the United States, and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, Utility Application (or Utility Applications) corresponding to a provisional application and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said Letters Patent. I additionally authorize the Assignee(s) to file applications in my name for Letters Patent in any country, to be held and enjoyed by the Assignee(s), its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me had this assignment, and transfer not been made; AND I hereby covenant that I have not executed and will not execute any agreement in conflict herewith, and I further covenant and agree that I will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid the Assignee(s), its successors,		
LEGAL NA	ME OF INVENTOR AND ASSIGNOR:	
Inventor:_	Daniela HALL Date: 2 / A	12019
Signature:	<u>DU44</u>	
Note: An apr	lication data sheet (PTO/AIA/14 or equivalent), including naming the entire inventive entity, mu	st accompany this form.

- Submitted for dual purpose of recording an assignment.
- A copy of this assignment will be submitted separately to the Recording Branch.

Title of	DARKFIELD CONTAMINATION DETECTION	Attorney Docket No. IVS-862
Invention	DIGGO ILLD CONTINUATION DETECTION	Client Reference No.
		IVS-862
As the belo	w named inventor, I hereby declare that:	
This declar	***** The aliached anducation of	
	United States application or PCT international application number	
	filed on	
The above-	dentified application was made or authorized to be made by me.	
I believe tha	t I am the original inventor or an original joint inventor of a claimed invention in the ap	pplication.
I hereby ack by fine or in	nowledge that any willful false statement made in this declaration is punishable unde prisonment of not more than five (5) years, or both.	r 18 U.S.C. 1001
I hereby sta amended by	te that I have reviewed and understand the contents of the above-identified specificat r any amendment referred to above; and	ion, including the claims, as
	nowledge the duty to disclose information that is material to patentability as defined in Section 1.56.	n Title 37, Code of Federal
	ASSIGNMENT OF RIGHTS IN PATENT APPLICATION	
/Assignee(s	nvenSense, Inc.	7
	1745 Technology Drive #200, San Jose, CA 95110 US	
		J
I, the undersigned hereby sell, assign, and transfer to the above-identified Assignee(s), in furtherance of my obligations to the Assignee(s) and its subsidiaries and affiliates, and do hereby assign and transfer unto said Assignee(s), its successors and assigns, the entire right, title and interest, including the right of priority, in the invention, to and under an application for Letters Patent of the United States, and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, Utility Application (or Utility Applications) corresponding to a provisional application and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said Letters Patent. I additionally authorize the Assignee(s) to file applications in my name for Letters Patent in any country, to be held and enjoyed by the Assignee(s), its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me had this assignment, and transfer not been made; AND I hereby covenant that I have full right to convey the entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith, and I further covenant and agree that I will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to the Assignee(s), its successors, assigns, nominees or legal representatives, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reiss		
LEGAL NA	ME OF INVENTOR AND ASSIGNOR	
Inventor: _	Bruno FLAMENT Date: 21/1	/2019
Signature:		
	dicationໍ່ຮັata sheໍ່ຮູ້ (PTO/AIA/14 or equivalent), including naming the entire inventive entity, mus lonal form for each additional inventor,	t accompany this form.

•	Submitted for dual purpose of recording	g an assignment.	
	A copy of this assignment will be subm	itted separately to the Reco	rding Branch.
Title of Invention	DARKFIELD CONTAMINATION DET	ECTION	Attorney Docket No.
invention			Client Reference No. IVS-862
As the belo	w named inventor, I hereby declare that:		
This declar			
	United States application or PCT in	ternational application number	
	filed on	•	
	identified application was made or authorized to b	•	
	at I am the original inventor or an original joint inv		
I hereby ac	knowledge that any willful false statement made in oprisonment of not more than five (5) years, or bo	າ this declaration is punishable und th.	der 18 U.S.C. 1001
I hereby sta amended b	ite that I have reviewed and understand the conte y any amendment referred to above; and	nts of the above-identified specific	
	knowledge the duty to disclose information that is s, Section 1.56.	material to patentability as defined	d in Title 37, Code of Federal
		IN PATENT APPLICATION	
Assignee(s	s):	nvenSense, Inc.	
		Orive #200, San Jose, CA 95110 US	
subsidiaries ar the right of pric therein, and ar application and foreign thereto the Assignee(s nominees or le fully and entire have full right to covenant and to perfect the t legal represen application and C-I-P's, reissund successors, as improvement(s Assignee(s); A countries forei right, title and be issued and one or more cocautioned, I he believed to be United States	ned hereby sell, assign, and transfer to the above-identified ad affiliates, and do hereby assign and transfer unto said Assority, in the invention, to and under an application for Letters by and all continuations, continuations-in-part (C-I-P's), divising tenewals of and substitutes for said application for said Let which may be granted thereon or therefore; and any reissues) to file applications in my name for Letters Patent in any conjugal representatives, to the full end of the term or terms for welly as the same would have been held and enjoyed by me had to convey the entire interest herein assigned, and that I have agree that I will, each time a request is made, and without untitle to said invention(s) or improvement(s), said application attitives, and I agree to communicate to the Assignee(s), or to disaid Letters Patent, to testify in any legal proceedings, to see and foreign applications, to make all rightful oaths and decision, nominees and legal representatives to obtain and entire) in any and all countries provided the expenses which may ND I hereby authorize and request the Commissioner of Patign to the United States whose duty it is to issue patents on a interest, any and all Letters Patent for said invention(s) or improvement, and all representatives to obtain and entirerest, any and all Letters Patent for said invention(s) or improvement, and all countries provided the expenses which may not the United States whose duty it is to issue patents on a interest, any and all Letters Patent for said invention(s) or improvement, and the like so made accounterparts, each of which shall be deemed an original, but a true and further that false statements and the like so made accounterparts, each of which shall be deemed an original, but a true and further that false statements and the like so made accode, and that such willful, false statements may jeopardize	signee(s), its successors and assigns, the Patent of the United States, and the inversionals, Utility Application (or Utility Applications, or extensions of sate of s	e entire right, title and interest, including ntion(s) and improvement(s) set forth ations) corresponding to a provisional nt of the United States and of countries id Letters Patent. I additionally authorize ignee(s), its successors, assigns, or be granted, reissued or extended, as made; AND I hereby covenant that I greement in conflict herewith, and I further papers as may be necessary or desirable to, its successors, assigns, nominees or said invention(s) or improvement(s), said invention and divisionals, continuations, cossible to aid the Assignee(s), its attent protection for said invention(s) or ration and assistance are paid by the s and any official of any country or assignee(s), as assignee of the entire res Patent of the United States which may to the same instrument. Upon being duly nade on information and belief are oth under Section 1001 of Title 18 of the
LEGAL NA	ME OF INVENTOR AND ASSIGNOR:		
Inventor:	Jonathan BAUDOT	Date: Feb 1, 20	19
-	Jonathan Baudot/ Jonathan Baudot/ (Feb.1, 2019)		
	lication data sheet (PTO/AIA/14 or equivalent), including ional form for each additional inventor.	g naming the entire inventive entity, m	ust accompany this form.

Submitted for dual purpose of recording an assignment.

A copy of this assignment will be submitted separately to the Recording Branch.

Title of		Attorney Docket No.
Invention	DARKFIELD CONTAMINATION DETECTION	IVS-862
		Client Reference No.
		IVS-862
As the belo	v named inventor, I hereby declare that:	
This declar is directed t	the attached application or	
	United States application or PCT international application number	
:	filed on	
The above-	dentified application was made or authorized to be made by me.	
I believe tha	t I am the original inventor or an original joint inventor of a claimed invention in the ap	plication.
I hereby acl by fine or im	nowledge that any willful false statement made in this declaration is punishable under prisonment of not more than five (5) years, or both.	18 U.S.C. 1001
I hereby sta amended by	te that I have reviewed and understand the contents of the above-identified specificati any amendment referred to above; and	on, including the claims, as
I hereby ack	nowledge the duty to disclose information that is material to patentability as defined in Section 1.56.	Title 37, Code of Federal
Regulations	ASSIGNMENT OF RIGHTS IN PATENT APPLICATION	
/Assignee(s		
	InvenSerise, Inc. 1745 Technology Drive #200, San Jose, CA 95110 US	
	Trus resimolegy bline need, barrosse, on 35110 50	
I, the undersigned hereby sell, assign, and transfer to the above-identified Assignee(s), in furtherance of my obligations to the Assignee(s) and its subsidiaries and affiliates, and do hereby assign and transfer unto said Assignee(s), its successors and assigns, the entire right, title and interest, including the right of priority, in the invention(s) and improvement(s) set forth the right of priority, in the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, Utility Application (or Utility Applications) corresponding to a provisional application and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; and any reissues, or reasuminations, or extensions of said Letters Patent. I additionally authorize the Assignee(s) to file applications in my name for Letters Patent in any country, to be held and enjoyed by the Assignee(s), its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me had this assignment, and transfer not been made; AND I hereby covenant that I have full right to convey the entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith, and I further covenant and agree that I will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations and sense and legal rep		
LEGAL NA	ME OF INVENTOR AND ASSIGNOR:	
		iia.
Inventor: _	itienne De FORAS Date: 2/1/	<u> 2010                                   </u>
Signature:	<u>Callings</u>	
	ication data sheet (PTO/AIA/14 or equivalent), including naming the entire inventive entity, must onal form for each additional inventor.	accompany this form:

Submitted for dual purpose of recording an assignment.

A copy of this assignment will be submitted separately to the Recording Branch.			
Title of Invention	DARKFIELD CONTAMINATION DETECTION	Attorney Docket No. IVS-862 Client Reference No.	
		IVS-862	
As the belo	w named inventor, I hereby declare that:		
This declar	: The suscined annucation of		
	United States application or PCT international application number		
	filed on		
The above-	dentified application was made or authorized to be made by me.		
	t I am the original inventor or an original joint inventor of a claimed invention in the ap	•	
	mowledge that any willful false statement made in this declaration is punishable under prisonment of not more than five (5) years, or both.	18 U.S.C. 1001	
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above; and			
-	nowledge the duty to disclose information that is material to patentability as defined ir , Section 1.56.	Title 37, Code of Federal	
	ASSIGNMENT OF RIGHTS IN PATENT APPLICATION		
Assignee(s):  InvenSense, Inc.  1745 Technology Drive #200, San Jose, CA 95110 US			
I, the undersigned hereby sell, assign, and transfer to the above-identified Assignee(s), in furtherance of my obligations to the Assignee(s) and its subsidiaries and affiliates, and do hereby assign and transfer unto said Assignee(s), its successors and assigns, the entire right, title and interest, including the right of priority, in the invention, to and under an application for Letters Patent of the United States, and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations—in-part (C-I-P's), divisionals, Utility Application (or Utility Applications) corresponding to a provisional application and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said Letters Patent. I additionally authorize the Assignee(s) to file applications in my name for Letters Patent in any country, to be held and enjoyed by the Assignee(s), its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me had this assignment, and transfer not been made; AND I hereby covenant that I have full right to convey the entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith, and I further covenant and agree that I will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), asid application and said Letters Patent, to the Assignee(s), its successors, assigns, nominees or legal representatives, and I agree to communicate to the Assignee(s), or to its nominee, all known facts respecting said invention(s) or improvement(s). Figure			
LEGAL NA	ME OF INVENTOR AND ASSIGNOR:	•	
Inventor: _	Harihar NARASIMHA-IYER Date: $02\int d1$	12019	
Signature:	Atach		

Note: An application data sheet (PTO/AIA/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional form for each additional inventor.

**RECORDED: 02/07/2019** 

REEL: 048271 FRAME: 0658