# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5966346

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
ROBERT S. MOIR	01/08/2020
SOFIA MARIA CONSONNI	01/06/2020
STEPHEN SAMS	01/06/2020
ISMAIL AKRAM	01/22/2020
HOWELL T. GOLDREIN	01/14/2020

### **RECEIVING PARTY DATA**

Name:	INNOVIA TECHNOLOGY LTD		
Street Address:	ST. ANDREW'S ROAD		
Internal Address:	ST ANDREW'S HOUSE		
City:	CAMBRIDGE		
State/Country:	UNITED KINGDOM		
Postal Code:	CB4 1DL		

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

Property Type	Number
Application Number:	16538285

## **CORRESPONDENCE DATA**

Fax Number: (412)355-6501

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: (412) 355-8276

Email: piuspatents@klgates.com

CARA M. PINTO **Correspondent Name:** 210 SIXTH AVENUE Address Line 1: Address Line 2: **K&L GATES CENTER** 

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER:	Y DOCKET NUMBER: END7774USCNT1/150513CON1	
NAME OF SUBMITTER:	CARA M. PINTO	
SIGNATURE:	/Cara M. Pinto/	
<b>DATE SIGNED:</b> 02/17/2020		
This document serves as an Oath/Declaration (37 CFR 1.63).		

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REEL: 051830 FRAME: 0544 505919629

# Total Attachments: 10 source=Innovia\_Inventors\_to\_Innovia#page1.tif source=Innovia\_Inventors\_to\_Innovia#page2.tif source=Innovia\_Inventors\_to\_Innovia#page3.tif source=Innovia\_Inventors\_to\_Innovia#page4.tif source=Innovia\_Inventors\_to\_Innovia#page5.tif source=Innovia\_Inventors\_to\_Innovia#page6.tif source=Innovia\_Inventors\_to\_Innovia#page7.tif source=Innovia\_Inventors\_to\_Innovia#page8.tif source=Innovia\_Inventors\_to\_Innovia#page9.tif source=Innovia\_Inventors\_to\_Innovia#page9.tif

Attorney Docket No.: END7774USCNT1/150513CON US Application No.: 16/538.28	
COMBINED DECLARATION AND ASSIGNMENT	14
Title of Invention: STAPLE FORMATION DETECTION MECHANISMS	
This declaration and assignment is directed to:	
The attached or filed herewith application of (list of named inventors),	Æ.
or	
The United States application or PCT international application number 16/538.285 filed on August 12, 2019.	
Declaration	
As the below named inventor, I hereby declare that:	1,
The above-identified application ("Application") was made or authorized by me.	
I believe that I am the original inventor or an 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 disclosi 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.	e f
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine of imprisonment of not more than five (5) years, or both for fillings of this Application in the United States of America.	r
Assignment  Innovia Technology Ltd  St. Andrew's House  St. Andrew's Road  Cambridge CB4 1DL  United Kingdom	
a Limited Company of the <u>United Kingdom</u> .	
(hereinafter designated as the "Assignee"),	
I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assignee which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:	*
or	
For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee:	
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.	
	***************************************
Page 1 of 2	-

US Application No.: 16/538.285

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

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.

Kobert S. Wolf			
LEGAL NAME OF INVENTOR			
	8 M J	ANUARY	2020
Signature	Date		madio amora
			:
Page 2 of	~2		

Attorney Docket No.: <u>END7774USCNT1/150513CON1</u>
US Application No.: <u>16/538,285</u>

COMBINED DECLARATION AND ASSIGNMENT			
Title of Invention: STAPLE FORMATION DETECTION MECHANISMS			
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 16/538,285 filed on August 12, 2019.	
Declaration			
As the below named inventor, l	l hereby dec	elare that:	
The above-identified application	n ("Applica	ation") was made or authorized by me.	
I believe that I am the original	inventor or	an original inventor of a claimed invention or discovery in the Application.	
	ability as de	ents of the Application, including the claims, and I acknowledge the duty to disclose efined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of	
		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			
		Innovia Technology Ltd St. Andrew's House St. Andrew's Road Cambridge CB4 1DL United Kingdom	
	. T !:		
		mited Company of the <u>United Kingdom</u> .	
—	•	reinafter designated as the "Assignee"),	
I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assignee which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:			
or			
For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee:			
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 enjoyement 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.			
		Page 1 of 2	

US Application No.: 16/538,285

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

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.

Sofia Maria Consonni	•
LEGAL NAME OF INVENTOR	
Saf Mich	6 January 2020
Signature	Date

		Attorney Docket No.: <u>END7774USCNT1/150513CON1</u> US Application No.: 16/538,285
	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention:	STAPLE FORMATION	N DETECTION MECHANISMS
This declaration and assign		
This decimation day assi		
		The attached or filed herewith application of (list of named inventors),
	or	
		The United States application or PCT international application number 16/538,285 filed on August 12, 2019.
Declaration		
As the below na	med inventor, I hereby deci	are that:
The above-ident	ified application ("Applica	tion") was made or authorized by me.
I believe that I a	m the original inventor or a	in original inventor of a claimed invention or discovery in the Application,
I have reviewed information which is mat this Application in the U	terial to patentability as de	nts of the Application, including the claims, and I acknowledge the duty to disclose fined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
I hereby acknow imprisonment of not more	vledge that any willful falso e than five (5) years, 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		
<del>-</del> .		Innovia Technology Ltd
		St. Andrew's House St. Andrew's Road
		Cambridge CB4 1DL
		United Kingdom
	a Lim	ited Company of the United Kingdom.
	(here	inafter designated as the "Assignee"),
I hereby acknow which is hereby conforme	ledge that I have assigned d 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 vassigned and transferred to	aluable consideration, the o Assignee:	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority States, European Patent of such inventions or disco- continuations thereof, and supplementary protection and enjoyment to the full	to the Application, all invo Office and of all other cou- veries and all rights in s i to all Letters Patent that certificates, reexamination	ne Application, including all priority rights for other countries arising therefrom and entions or discoveries therein disclosed, and any and all Letters Patent of the United ntries, which may be granted for such inventions or discoveries, or any of them, all uch Application including any and all provisionals, substitutions, divisions, and may be granted for said inventions and discoveries, and in and to all extensions, s, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use or which such Letters Patent may be granted, as fully and entirely as the same would ent and sale not been made.

Page 1 of 2

US Application No.: 16/538,285

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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.

Stephen Sams	
LEGAL NAME OF INVENTOR	
Squ5.	6 Jan 2020
Signature	Date

	our de les coles warden en Nobel - Marie Cole (1990) et la cole (1990) et la cole (1990) et la cole (1990) et l	Attorney Docket No.: END7774USCNT1/150513CON1
		US Application No.: <u>16/538,285</u>
	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention:	STAPLE FORMATIO	N DETECTION MECHANISMS
This declaration and assi	gnment is directed to:	
		The attached or filed herewith application of (list of named inventors),
	or	
		The United States application or PCT international application number 16/538,285 filed on August 12, 2019.
Declaration		
As the below na	umed inventor, I hereby dec	lare that:
The above-iden	tified application ("Applica	tion") was made or authorized by me.
I believe that I a	um the original inventor or	an original inventor of a claimed invention or discovery in the Application.
I have reviewed information which is mathis Application in the U	terial to patentability as de	ents of the Application, including the claims, and I acknowledge the duty to disclose fined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
I hereby acknow imprisonment of not more	wledge that any willful fals te than five (5) years, or bot	e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or th for filings of this Application in the United States of America.
Assignment		
		Innovia Technology Ltd
		St. Andrew's House St. Andrew's Road
		Cambridge CB4 1DL
		United Kingdom
	a Lin	nited Company of the United Kingdom.
	(her	reinafter designated as the "Assignee"),
☐ I hereby acknow	wledge that I have assigned ed for recordation in the US	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 assigned and transferred		sufficiency of which is acknowledged, I hereby assign and transfer and/or have
my entire right, title, and	l interest in, to, and under	the Application, including all priority rights for other countries arising therefrom and

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.

Page 1 of 2

US Application No.: 16/538,285

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

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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.

Ismail Akram			
LEGAL NAME OF INVENTOR			
$\mathbf{x} = \mathbf{x} \cdot \mathbf{x}$			
MA.	22	JANUARY	2020
Signature			

Page 2 of 2

		Attorney Docket No.: END7774USCNT1/150513CON1 US Application No.: 16/538,285		
	COMBINED	DECLARATION AND ASSIGNMENT		
Title of Invention:		N DETECTION MECHANISMS		
This declaration and assign	ment is directed to:			
		The attached or filed herewith application of (list of named inventors)		
	or	· · · · · · · · · · · · · · · · · · ·		
		The United States application or PCT international application number 16/538.285 filed on August 12, 2019.		
Declaration				
As the below name	ed inventor, I hereby decl	are that:		
The above-identified application ("Application") was made or authorized by me.				
I believe that I am the original inventor or an original inventor of a claimed invention or discovery in the Application.				
I have reviewed ar	nd understood the contential to patentability as def	ats 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		
I hereby acknowled imprisonment of not more the	dge that any willful false an five (5) years, or both	statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or for filings of this Application in the United States of America.		
Assignment				
		Innovia Technology Ltd		
		St. Andrew's House St. Andrew's Road		
		Cambridge CB4 1DL		
		United Kingdom		
a Limited Company of the United Kingdom.				
	(herei	inafter designated as the "Assignee"),		
I hereby acknowled which is hereby conformed for the second secon	ge that I have assigned to or recordation in the US	he 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 value assigned and transferred to A	able consideration, the s ssignee:	sufficiency of which is acknowledged, I hereby assign and transfer and/or have		
the right to claim priority to States, European Patent Off such inventions or discover continuations thereof, and to supplementary protection cer	the Application, all inver- ice and of all other coun- ies and all rights in su all Letters Patent that in tificates, reexaminations, I of the term or terms for	e Application, including all priority rights for other countries arising therefrom and nations or discoveries therein disclosed, and any and all Letters Patent of the United tries, which may be granted for such inventions or discoveries, or any of them, all the provision including any and all provisionals, substitutions, divisions, and may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use which such Letters Patent may be granted, as fully and entirely as the same would at and sale not been made.		
		Page 1 of 2		

US Application No.: 16/538,285

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Howell T. Goldrein	
LEGAL NAME OF INVENTOR	
Would T. Cillian	14 Jamon 2020
Signature	Date

Page 2 of 2