PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID GOMEZ	02/01/2019
CHRISTOPHER ANDREW BOWER	01/10/2019
RAJA FAZAN GUL	02/07/2019
ANTÓNIO JOSÉ MARQUES TRINDADE	02/07/2019
RONALD S. COK	01/10/2019

RECEIVING PARTY DATA

Name:	X-CELEPRINT LIMITED
Street Address:	LEE MALTINGS
Internal Address:	DYKE PARADE
City:	CORK
State/Country:	IRELAND

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16207665

CORRESPONDENCE DATA

Fax Number: (617)502-5002

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ATTORNEY DOCKET NUMBER:	2011486-0745
NAME OF SUBMITTER:	MICHAEL D. SCHMITT, PHD
SIGNATURE:	/Michael Schmitt/
DATE SIGNED:	02/15/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 9

PATENT REEL: 048346 FRAME: 0967

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PATENT REEL: 048346 FRAME: 0968

Docket Number: 2011486-0745

COMBINED JOINT ASSIGNMENT & DECLARATION

A. ASSIGNMENT

WHEREAS, each of the below-named inventors whose name and residence is set forth in the following Table 1:

Inventor Name	City, State
1. David Gomez	Holly Springs, North Carolina
2. Christopher Andrew Bower	Raleigh, North Carolina
3. Raja Fazan Gul	Cork, Ireland
4. António José Marques Trindade	Cork, Ireland
5. Ronald S. Cok	Rochester, New York

Table 1

hereby declares and agrees, on behalf of himself/herself and all of his/her successors and assigns that each is aware of the patent application(s) entitled:

PRINTING COMPONENTS TO SUBSTRATE POSTS; and

	prepared for filing in the United States Patent and	Trademark Office; or	
	x identified by United States Application No.	16/207665	
filed	in the United States Patent and Trademark Office on	December 3, 2018	; and
filed	identified by International Patent Application No.		
	and is also aware of the following priority applica	tions:	
	Application No.	Filed	
	<u></u>		

WHEREAS, X-Celeprint Limited (hereinafter "ASSIGNEE"), having a usual place of business at Lee Maltings, Dyke Parade, Cork, IRELAND, desires to acquire or confirm an interest therein:

NOW, THEREFORE, to all whom it may concern be it known that, in consideration of agreements previously and duly entered into between the parties, and/or for other good and valuable consideration, the receipt of which is hereby acknowledged, each of us has sold, assigned, and transferred and/or do hereby sell, assign, and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title, and interest in and throughout

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the United States of America, its territories and all foreign countries, in and to any and all inventions described in the patent application, and/or any priority applications noted above, including any right of priority thereto; and hereby confirm that my sale, assignment and transfer is and was effective at least as of the filing date of the patent application and/or priority application. Our sale, assignment and transfer applies to the above-referenced patent application, and to any application that is based in whole or in part on the patent application, including any divisional, continuing, substitute, renewal, reissue, reexamination and other applications, for example that claim priority to the patent application. Also, this sale, assignment and transfer pertains to any and all other rights arising under or pursuant to any and all international agreements, treaties, or laws relating to the protection of industrial property, including all rights of priority under the International Convention for the Protection of Industrial Property, and in and to any such patent(s) as may issue thereon including any and all original and reissued patents which have been or shall be issued in the United States and foreign countries; said inventions, applications, and patent(s) to be held and enjoyed by ASSIGNEE for its own use and for its successors, assigns and legal representatives, to the full end of the term for which said patent(s) may be granted as fully and entirely as the same would have been held by each of us had this sale, assignment and transfer not been made;

AND, each of us hereby acknowledges that this Assignment, being of our entire right, title, and interest in and to the inventions, carries with it the right in ASSIGNEE, by attorneys and agents of ASSIGNEE selection, to apply for and receive any and all patent(s) for said inventions in its own name;

AND, each of us hereby further agrees for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the patent(s) to ASSIGNEE, its successors, assignees, and legal representatives, but at its expense and charges, including the execution of application for patents in foreign countries, the execution of substitution, reissue, divisional or continuation applications, and the giving of testimony, preliminary statements, or other statements in any interference or other proceeding in which the inventions or any applications or patents directed to the inventions may be involved by communicating to the ASSIGNEE all facts we know relating to the inventions and their history, and generally by doing everything possible which ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for the inventions and for vesting title in the inventions and all applications for patent and all patents on the inventions in ASSIGNEE;

AND, each of us further hereby authorizes ASSIGNEE or its attorneys or agents to insert the correct application number(s) and/or filing date(s) into this assignment document, if appropriate;

AND, each of us hereby appoints ASSIGNEE as our common agent for purposes of prosecuting international patent applications and any national patent applications for which such common agency is recognized;

AND, each of us hereby requests the Commissioner for Patents of the United States Patent and Trademark Office to issue any and all patent(s) as shall be granted upon said

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application or applications based thereon to ASSIGNEE, its successors, assigns, and legal representatives;

AND, each of us covenants with said ASSIGNEE that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by us, and that full right to convey the same as herein expressed is possessed by us.

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B. DECLARATION (37 CFR 1.63)

As below named inventors, we hereby declare that:

This declaration is directed to the patent application entitled:

PRINTING COMPONENTS TO SUBSTRATE POSTS; and

attached hereto or prepared for filing in the Unite	d States Patent and Trade	mark
x identified by United States Application No.	16/207665	
filed in the United States Patent and Trademark Office on	December 3, 2018	; or
identified by International Patent Application No filed on The above-identified application was made or authorized.		
We believe that we are each an original joint inverapplication.	ntor of a claimed inventi	on in the
We hereby acknowledge that any willful false state punishable under 18 U.S.C. 1001 by fine or imprisonment oboth.		

We have reviewed and understand the contents of the application, including the claims and are aware of the duty to disclose to the United States Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR 1.56.

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Signature:	Date: 2/1/19
Signature: David Gomez	
Witness Signature: 22	
Witness Name (printed): Erik Vic	<u>k</u>
Witness Signature: Bolkaymul	
Witness Name (printed): Brook Raytvo	80

Signature: Charles Color	Date: _	1/10/19
Christopher Andrew Bower		
Witness Signature: Austophi. Verree Witness Name (printed): Christopher Verreen		
Witness Signature: Besch Raymond Witness Name (printed): Brook Raymond		

Signature: Raja Fazan Gul	Date:	07 Feb, 19
Witness Signature: Stean Vellahy		
Witness Name (printed): STEVEN KELLEHER.		
Witness Signature: Anfanth		
Witness Name (printed): ALEX FARRELL		

Signature: António José Marques Trindade	Date:	H1 2019
Witness Signature: Witness Name (printed): RAJA FAZAN GIUL		
Witness Signature: Assay Face 85.		

Signature: Ronald S. Cok	Date:	1/10/19
Witness Signature: Witness Name (printed); Erich Radqusche		
Witness Signature: Julia W. Roc.		

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RECORDED: 02/15/2019