PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3445553

NATURE OF CONVEYANCE: Corrective Assignment to correct the DOC DATE OF THE SECOND ASSIGNOR previously recorded on Reel 036006 Frame 0320. Assignor(s) hereby confirms the ASSIGNMENT.	SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT		
		ASSIGNOR previously recorded on Reel 036006 Frame 0320. Assignor(s)		

CONVEYING PARTY DATA

Name	Execution Date
RAPHAEL TSU	04/08/2014
IAN FERGUSON	04/09/2014
NIKOLAUS DIETZ	03/29/2014

RECEIVING PARTY DATA

Name:	THE UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE
Street Address: 9201 UNIVERSITY CITY BOULEVARD	
City:	CHARLOTTE
State/Country:	NORTH CAROLINA
Postal Code:	28223-0001
Name:	GEORGIA STATE UNIVERSITY RESEARCH FOUNDATION, INC.
Street Address:	30 COURTLAND STREET
City:	ATLANTA
State/Country:	GEORGIA
Postal Code:	30303

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14759478	

CORRESPONDENCE DATA

Fax Number: (703)836-2787

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: (703)836-6400 Email: email@oliff.com **Correspondent Name:** R. BRIAN DROZD Address Line 1: **OLIFF PLC**

Address Line 2: P.O. BOX 320850

Address Line 4: ALEXANDRIA, VIRGINIA 22320-4850

ATTORNEY DOCKET NUMBER: 159258

> **PATENT** REEL: 036134 FRAME: 0121

503398928

NAME OF SUBMITTER: CHANDEL LAWRENCE		
SIGNATURE: /Chandel Lawrence/ for R. Brian Drozd		
DATE SIGNED:	07/20/2015	
Total Attachments: 4		
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> PATENT REEL: 036134 FRAME: 0122

503380929 07/07/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3427551

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date

Raphael TSU	04/08/2014]
lan FERGUSON	04/04/2014 04/09/	2014
Nikolaus DIETZ	03/29/2014]

RECEIVING PARTY DATA

Name:	THE UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE
Street Address:	9201 UNIVERSITY CITY BLVD.
City:	CHARLOTTE
State/Country:	NORTH CAROLINA
Postal Code:	28223-0001
Name:	GEORGIA STATE UNIVERSITY RESEARCH FOUNDATION, INC.
Street Address:	30 COURTLAND STREET
City:	ATLANTA
State/Country:	GEORGIA
Postal Code:	30303

PROPERTY NUMBERS Total: 1

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Application Number:	14759478

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Phone:

703-836-6400

Email:

email@oliff.com

Correspondent Name:

R. BRIAN DROZD

Address Line 1:

OLIFF PLC

Address Line 2:

P.O. BOX 320850

Address Line 4:

ALEXANDRIA, VIRGINIA 22320-4850

ATTORNEY DOCKET NUMBER: 159258

NAME OF SUBMITTER: CHANDEL LAWRENCE

PATENT REEL: 036134 FRAME: 0123

ASSIGNMENT (Two Assignees)

	Insert	(1)	Rephael TSU	(2) Iun FERGUSON		
(1-8)	Legal Name(s)	(3)	Nikolaus DIETZ	(4)		
	of Inventor(s)	(5)		(6)		
		(7)		(8)		
		In cons	ideration of the sum of one dollar ersigned, the receipt and sufficies and hereby does assign, transfer	(\$1.00) and other good and valuable considerations of which are hereby acknowledged, each und and set over to	on paid to each of ersigned agrees to	
(9A)	Insert Name of First Assignee	(9A)	THE UNIVERSITY OF NO	THE UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE		
(10A)	Insert Address of First Assigned	(10A)	9201 University City Blvd.	9201 University City Bivd.		
		(1411)	Charlotte, North Carolina 28	223-0001		
(9B)	Insert Name of Second Assignee	(9B)	GEORGIA STATE UNIVE	RSITY RESEARCH FOUNDATION, INC.		
(103)	Insert Address of Second	(10B)	30 Courtland Street			
	7	•	Atlanta, Georgia 30303			
(11)	Insert Identification	inventi	ire right, title and interest for the on, and in all applications for pat action, international, substitute an xamination certificates that may	and Assignees' heirs, successors, assigns and leg United States of America as defined in 35 U.S.C. ent including any and all provisional, non-provisi d reissue application(s), and all Lotters Patent, ex be granted on the invention known as for Charge Carriers Control Devices	onal, divisional.	
(11)	such as Title, Case Number, or Foreign	(**/	inconcreme type-in Materials	or create carries commercial		
	Application Number	(Attor	ney Docket No. 159258), filed on oven date herewith	or a s	
(12)	Afternative	(12)	U.S. Application Number			
(12)	Identification for	112/	5107 TPP P110 1110 1110 1110 1110 1110 1110		· · · · · · · · · · · · · · · · · · ·	
	filed applications	filed				
deglares and going claims of reexamination the entitle that this	2) Each undersigned agrees is concerning any application in groward with such interfers 3) Each undersigned agrees or provisions of the internation 4) Each undersigned agreemation a grant of a valid Unit 5) Each undersigned author grown said application(s) to to interest herein assigned, and assignment is binding on As 6) Each undersigned hereby or destrible in order to con-	i to exect or patent once or p is to exec- nal Convi- s to perfo ed States rizes and he said / d that he signor as y grants	ate all papers necessary in coopera ost-grant proceeding, ate all papers and documents an ention for Protection of Industrium all affirmative acts which me patent to the Assigness, requests the Commissioner of the seigness, as Assigness of the end of Assignor's heirs, successors, in the film of OLIPF PLC the power the rules of the United States F.	note as the Assignees may deem necessary, action with any interference or post-grant proceed to with the Assignees in every way possible in the perform any act which may be necessary in coal Property or similar agreements, any be necessary to obtain, maintain or confirm the U.S. Patent and Trademark Office to issue artifice interest, and covenants that he or she has fill not execute, any agreement(s) in conflict here usigns and legal representatives. To insert on this assignment any further identification and Trademark Office for recordation of apposite the undersigned name(s).	nnection with by reissue or y and all patents yil right to convey with, and agrees leation that may be his document.	
Date	April 8	26/	Inventor Signature	Coup Din	(SEAL)	
Date	Bosa of				(SEAL)	
Date	Harch 29	201	S Inventor Signature	10 Po lings jung	(SEAL)	
Date			Inventor Signature		(SEAL)	
Date			Inventor Signature			
Date						
Dute	***************************************					
Date		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Inventor Signature			
Dute	This assignment should pre then it should be signed befo	re at leas	Witness		and the American services and the Control of the Co	
Date			VY 1123 CO N			

PATENT REEL: 036134 FRAME: 0124

RECORDED: 07/20/2015