

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Mark E. Thompson</td><td>07/29/2011</td></tr><tr><td>Zhiwei Liu</td><td>07/29/2011</td></tr><tr><td>Chao Wu</td><td>08/04/2011</td></tr></tbody></table>	Name	Execution Date	Mark E. Thompson	07/29/2011	Zhiwei Liu	07/29/2011	Chao Wu	08/04/2011	
Name	Execution Date								
Mark E. Thompson	07/29/2011								
Zhiwei Liu	07/29/2011								
Chao Wu	08/04/2011								
RECEIVING PARTY DATA									
Name:	THE UNIVERSITY OF SOUTHERN CALIFORNIA								
Street Address:	Stevens Institute for Innovation								
Internal Address:	EEB 131, 2561								
City:	Los Angeles								
State/Country:	CALIFORNIA								
Postal Code:	90089								
PROPERTY NUMBERS Total: 1									
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13193036</td></tr></tbody></table>	Property Type	Number	Application Number:	13193036					
Property Type	Number								
Application Number:	13193036								
CORRESPONDENCE DATA									
Fax Number:	(404)815-6555								
Phone:	404-815-6500								
Email:	docket@kilpatricktownsend.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	Kilpatrick Townsend & Stockton LLP								
Address Line 1:	1100 Peachtree Street								
Address Line 2:	Suite 2800								
Address Line 4:	Atlanta, GEORGIA 30309								
ATTORNEY DOCKET NUMBER:	91865-808552								
NAME OF SUBMITTER:	John P. McGroarty								
Total Attachments: 2 source=10_28_2011_ASSIGN_91865-808552_pdf#page1.tif source=10_28_2011_ASSIGN_91865-808552_pdf#page2.tif									

OP \$40.00 13193036

501706288

PATENT  
REEL: 027138 FRAME: 0653

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Mark E. Thompson of USC, Stevens Institute for Innovation, EEB 131, 2561, Los Angeles, CA 90089; Zhiwei Liu of USC, Stevens Institute for Innovation, EEB 131, 2561, Los Angeles, CA 90089; and Chao Wu of USC, Stevens Institute for Innovation, EEB 131, 2561, Los Angeles, CA 90089, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: CO-DEPOSITION METHODS FOR THE FABRICATION  
OF ORGANIC OPTOELECTRONIC DEVICES

Filing Date: July 28, 2011

Application No.: 13/193036; and

WHEREAS, THE UNIVERSITY OF SOUTHERN CALIFORNIA, located at Stevens Institute for Innovation, EEB 131, 2561, Los Angeles, CA 90089, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignor, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: July 29, 2011

Mark E. Thompson  
Mark E. Thompson

Dated: July 29, 2011

Zhiwei Liu  
Zhiwei Liu

Dated: \_\_\_\_\_

\_\_\_\_\_  
Chao Wu

63638958 v1

Attorney Docket No.: 91865-808552  
Client Reference No.: USC-10-622US

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Mark E. Thompson of USC, Stevens Institute for Innovation, EEB 131, 2561, Los Angeles, CA 90089; Zhiwei Liu of USC, Stevens Institute for Innovation, EEB 131, 2561, Los Angeles, CA 90089; and Chao Wu of USC, Stevens Institute for Innovation, EEB 131, 2561, Los Angeles, CA 90089, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: CO-DEPOSITION METHODS FOR THE FABRICATION  
OF ORGANIC OPTOELECTRONIC DEVICES

Filing Date: July 28, 2011

Application No.: 13/193036; and

WHEREAS, THE UNIVERSITY OF SOUTHERN CALIFORNIA, located at Stevens Institute for Innovation, EEB 131, 2561, Los Angeles, CA 90089, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignor, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: \_\_\_\_\_

Mark E. Thompson

Dated: \_\_\_\_\_

Zhiwei Liu

Dated: 8/4/2011

Chao Wu

63638958 v1