

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| EDWARD PHILIP JOHN PARROTT | 11/02/2012 |
| RECEIVING PARTY DATA | |
| Name: | THE CHINESE UNIVERSITY OF HONG KONG |
| Street Address: | THE CHINESE UNIVERSITY OF HONG KONG |
| City: | SHATIN, NEW TERRITORIES |
| State/Country: | HONG KONG |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 13599740 |
| CORRESPONDENCE DATA | |
| Fax Number: | (312)616-5700 |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> | |
| Phone: | 312-616-5600 |
| Email: | assignments@leydig.com |
| Correspondent Name: | LEYDIG, VOIT & MAYER, LTD. |
| Address Line 1: | TWO PRUDENTIAL PLAZA, SUITE 4900 |
| Address Line 2: | 180 N. STETSON AVENUE |
| Address Line 4: | CHICAGO, ILLINOIS 60601-6731 |
| ATTORNEY DOCKET NUMBER: | 710723 |
| NAME OF SUBMITTER: | JOHN B. CONKLIN |
| SIGNATURE: | /John B. Conklin/ |
| DATE SIGNED: | 05/15/2014 |
| Total Attachments: 2 | |
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PATENT

Attorney Docket No. 710723

Client Reference No. TTC.PA.0561 / CUHK Ref: 12/ENG/493

Leydig, Voit & Mayer, Ltd.
Two Prudential Plaza, Suite 4900
180 North Stetson Avenue
Chicago, Illinois 60601-6731

ASSIGNMENT

WHEREAS, WE,

Edward Philip John PARROTT
Flat F7, 22/F, Block F, Garden Rivera
20-30 Tai Chung Kiu Road
Shatin
New Territories
Hong Kong (CN)

have invented and own a certain invention entitled:

**TERAHERTZ IN-PLANE AND TERAHERTZ OUT-OF-PLANE
(TIP-TOP) SWITCHING LIQUID CRYSTAL DEVICES**

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 30 August 2012, under U.S. Application No. 13/599,740, and

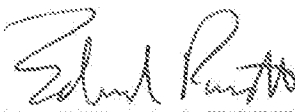

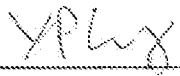
WHEREAS, THE CHINESE UNIVERSITY OF HONG KONG, Shatin, New Territories, Hong Kong SAR, hereinafter referred to as Assignee, is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

NOW, THEREFORE, in consideration of the sum of one U.S. dollars (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

UPON SAID CONSIDERATION, we convey to the Assignee the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

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| Date <u>2/11/2012</u> |  _____ Edward Philip John PARROTT |
| Date <u>02/11/2012</u> |  _____ Witness Sy Ming Yiu |
| Date <u>02/11/2012</u> |  _____ Witness YP Liang |