

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ming Guo</td> <td>06/05/2009</td> </tr> <tr> <td>Yun Liu</td> <td>06/17/2009</td> </tr> <tr> <td>Malcolm E. Kenney</td> <td>06/17/2009</td> </tr> </tbody> </table>		Name	Execution Date	Ming Guo	06/05/2009	Yun Liu	06/17/2009	Malcolm E. Kenney	06/17/2009		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Case Western Reserve University</td> </tr> <tr> <td>Street Address:</td> <td>10990 Euclid Avenue</td> </tr> <tr> <td>City:</td> <td>Cleveland</td> </tr> <tr> <td>State/Country:</td> <td>OHIO</td> </tr> <tr> <td>Postal Code:</td> <td>44106-4971</td> </tr> </table>		Name:	Case Western Reserve University	Street Address:	10990 Euclid Avenue	City:	Cleveland	State/Country:	OHIO	Postal Code:	44106-4971
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: (216)241-0816 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 216.622.8200 Email: russell@calfee.com Correspondent Name: Raymond N. Russell Address Line 1: 800 Superior Avenue Address Line 2: 1400 KeyBank Center Address Line 4: Cleveland, OHIO 44114-2688</p>											
ATTORNEY DOCKET NUMBER:	27708/04116										
NAME OF SUBMITTER:	Raymond N. Russell										
<p>Total Attachments: 3 source=00573584#page1.tif</p>											

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PATENT
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ASSIGNMENT

For good and valuable consideration received of the hereinafter named assignee, receipt of which is hereby acknowledged, I/we, **Ming Guo**, residing at ~~2625 Euclid Heights Blvd, #4, Cleveland, Ohio 44106~~ ^{2301 Kuder Ln., N. Warsaw, IN 46582}, **Yun Liu**, residing at 1918 East 120th Street, #4, Cleveland, Ohio 44106; and **Malcolm E. Kenney**, residing at 1203 Hereford Road, Cleveland Heights, Ohio 44118, and hereby assign all right, title and interest to **Case Western Reserve University**, 10900 Euclid Avenue, Cleveland, Ohio 44106-4971, its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the inventions in

M.G.

PHTHALOCYANINE SALT FORMULATIONS

set forth in U.S. Patent Application Serial No.12/408,116, filed March 20, 2009, (Attorney Docket No. 27708/04116), said application, any and all other applications for Letters Patent on said inventions, including but not limited to all provisional, non-provisional, national, divisional, renewal, substitute, continuation, PCT and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patents and reissues and extension of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patent; said assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said assignee or otherwise as said assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents of the United States of America and the empowered officials of all other governments being hereby authorized to issue or transfer all said Letters Patent to said assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to assure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said assignee all lawful documents including petitions,

specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and in substance which may be requested by said assignee, to furnish said assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said inventions, and to testify in any proceedings relating to said inventions, patent applications and Letters Patent.

I/we hereby authorize and request the assignee or its authorized representative to enter or correct the date(s) of execution of this Assignment, if available, to enter or correct the serial number or filing date for any above-identified patent application prior to recording this Assignment, and understand any such actions to have the same effect as if entered prior to execution of this Assignment.

Date: June 05, 2009

Ming Guo
MING GUO

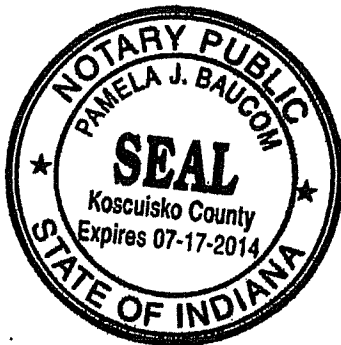
County of Kosciusko)

) ss:

State of Indiana)

On this, the 5th day of June, 2009, personally appeared before me, Ming Guo, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

SEAL



Pamela J. Baucum
Notary Public

07-17-2014
Commission Expires

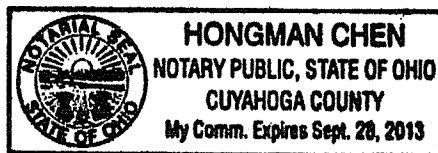
Date: 06/17/09Yun Liu
YUN LIUCounty of Cuyahoga

) SS:

State of OH

On this, the 17th day of June, 2009, personally appeared before me, Yun Liu, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

SEAL

[Signature]
Notary Public9/28/2013
Commission ExpiresDate: 06-17-09Malcolm E. Kenney
MALCOLM E. KENNEYCounty of Cuyahoga

) SS:

State of OH

On this, the 17th day of June, 2009, personally appeared before me, Malcolm E. Kenney, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

SEAL

[Signature]
Notary Public9/28/2013
Commission Expires