

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Stephen J Krak</td> <td>09/05/2007</td> </tr> <tr> <td>Joel D Elhard</td> <td>08/28/2007</td> </tr> <tr> <td>Eric L Hogue</td> <td>08/28/2007</td> </tr> <tr> <td>Timothy J Stanfield</td> <td>08/28/2007</td> </tr> <tr> <td>Richard P Heggs</td> <td>09/05/2007</td> </tr> </tbody> </table>		Name	Execution Date	Stephen J Krak	09/05/2007	Joel D Elhard	08/28/2007	Eric L Hogue	08/28/2007	Timothy J Stanfield	08/28/2007	Richard P Heggs	09/05/2007
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<b>RECEIVING PARTY DATA</b>													
<b>Name:</b>	Battelle Memorial Institute												
<b>Street Address:</b>	505 King Avenue												
<b>City:</b>	Columbus												
<b>State/Country:</b>	OHIO												
<b>Postal Code:</b>	43201												
<b>PROPERTY NUMBERS Total: 2</b>													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11836481</td> </tr> <tr> <td>PCT Number:</td> <td>US0775573</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11836481	PCT Number:	US0775573						
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Application Number:	11836481												
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<b>CORRESPONDENCE DATA</b>													
<b>Fax Number:</b>	(614)621-0010												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
<b>Phone:</b>	614-621-7763												
<b>Email:</b>	IPDocket@calfee.com												
<b>Correspondent Name:</b>	Calfee Halter & Griswold LLP												
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<b>Address Line 2:</b>	1100 Fifth Third Center												
<b>Address Line 4:</b>	Columbus, OHIO 43215												
<b>ATTORNEY DOCKET NUMBER:</b>	27984/04004												

CH \$80.00 11836481

NAME OF SUBMITTER:

Joan N. Drew

**Total Attachments: 6**

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## ASSIGNMENT

For good and valuable consideration received of the hereinafter named assignee, receipt of which is hereby acknowledged, we, Stephen J. Krak, a U.S. citizen, residing at 3458 Price Road NE, Newark, Ohio 43055; Joel D. Elhard, a U.S. citizen, residing at 4825 Augustus Court, Hilliard, Ohio 43026; Eric L. Hogue, a U.S. citizen, residing at 8601 Major Place, Galloway, Ohio 43119; Timothy J. Stanfield, a U.S. citizen, residing at 5362 Polar Drive, Lewis Center, Ohio 43035; and Richard P. Heggs, a U.S. citizen, residing at 5776 Tara Hill Drive, Dublin, Ohio 43017 hereby assign all right, title and interest to Battelle Memorial Institute, 505 King Avenue, Columbus, Ohio 43201, 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

## PATTERNING COMPOSITIONS, MASKS, AND METHODS

set forth in the application for United States Letters Patent Serial No. 11/836,481, filed August 9, 2007 and PCT application PCT/US07/75573, filed August 9, 2007; said application for United States Letters Patent, any and all other applications for Letters Patent on said inventions in countries foreign to the United States, including all divisional, renewal, substitute, continuation 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.

Date: 9/5/07 *Stephen J. Krak*  
Stephen J. Krak

County of Franklin )  
State of Ohio ) ss:

Subscribed and sworn to before me this 5<sup>th</sup> day of Sept., 2007.

*Brenda Block Koone*  
Notary Public



BRENDA BLOCK KOONE  
NOTARY PUBLIC, STATE OF OHIO  
MY COMMISSION EXPIRES MAY 18, 2008

Date: 8/28/07

Joel P. Elhard  
Joel P. Elhard

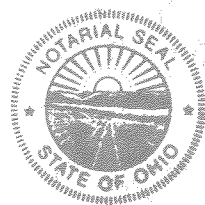
County of Franklin)

State of Ohio)

ss:

Subscribed and sworn to before me this 28<sup>th</sup> day of August, 2007.

Brenda Block Koone  
Notary Public



**BRENDA BLOCK KOONE**  
NOTARY PUBLIC, STATE OF OHIO  
MY COMMISSION EXPIRES MAY 18, 2008

Date: 8/28/07

*E. L. Hogue*  
Erie L. Hogue

County of Franklin)

State of Ohio) ss:

Subscribed and sworn to before me this 28<sup>th</sup> day of August, 2007.

*Shirley F. Russell*  
Notary Public



SHIRLEY F. RUSSELL  
Notary Public, State of Ohio  
My Commission Expires 08-29-10  
08

Date: 8/28/2007

*Timothy J. Stanfield*  
Timothy J. Stanfield

County of Franklin )

State of Ohio ) ss:

Subscribed and sworn to before me this 28<sup>th</sup> day of August, 2007.

*Shirley F. Russell*  
Notary Public



SHIRLEY F. RUSSELL  
Notary Public, State of Ohio  
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Date: 9-5-07

*Richard P. Heggs*  
Richard P. Heggs

County of Franklin)

State of Ohio) ss:

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*Brenda Block Koone*  
Notary Public



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