

PATENT ASSIGNMENT

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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>Vamsee K Pamula</td> <td>01/29/2003</td> </tr> <tr> <td>Michael G Pollack</td> <td>01/29/2003</td> </tr> <tr> <td>Hong Ren</td> <td>02/07/2003</td> </tr> <tr> <td>Richard B Fair</td> <td>02/07/2003</td> </tr> </tbody> </table>		Name	Execution Date	Vamsee K Pamula	01/29/2003	Michael G Pollack	01/29/2003	Hong Ren	02/07/2003	Richard B Fair	02/07/2003
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Vamsee K Pamula	01/29/2003										
Michael G Pollack	01/29/2003										
Hong Ren	02/07/2003										
Richard B Fair	02/07/2003										
RECEIVING PARTY DATA											
Name:	Duke University										
Street Address:	Box 90083										
Internal Address:	Office of Science & Technology										
City:	Durham										
State/Country:	NORTH CAROLINA										
Postal Code:	27708										
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>11585618</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11585618						
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Application Number:	11585618										
CORRESPONDENCE DATA											
Fax Number:	(919)287-9011										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	D002DV2										
NAME OF SUBMITTER:	William Barrett										

OP \$40.00 11585618

Total Attachments: 4

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ASSIGNMENT

WHEREAS, we, Vamsee K. Pamula, City of Durham, State of North Carolina; Michael G. Pollack, City of Durham, State of North Carolina; Philip Y. Paik, City of Durham, State of North Carolina; Hong Ren, City of Chapel Hill, State of North Carolina; and Richard B. Fair, City of Durham, State of North Carolina (hereinafter "Assignors"), have invented certain new and useful improvements in METHODS AND APPARATUS FOR MANIPULATING DROPLETS BY ELECTROWETTING-BASED TECHNIQUES for which a U.S. Patent Application was filed on September 24, 2002 as Serial No. 10/253,342.

AND, WHEREAS, Duke University, a non-profit organization located at Durham, North Carolina (hereinafter "Assignee"), is desirous of acquiring an interest therein.

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors have sold and by these presents do hereby sell, assign, transfer and convey unto the said Assignee, its successors and assigns, their entire right, title and interest in and to the said invention and application, and in and to any and all foreign patent applications filed on the invention, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with their right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this assignment and sale had not been made.

Assignors hereby request that said Letters Patent be issued in accordance with this assignment.

Atty. Docket No.: 180/150/2

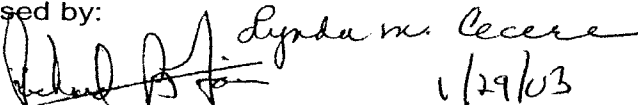
Assignors further covenant and agree that, at the time of the execution and delivery of these presents, Assignors possess full title to the invention and application above-mentioned, and that they have the unencumbered right and authority to make this assignment.

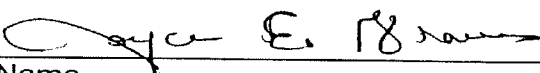
Assignors further covenant and agree, and likewise bind their heirs, legal representatives and assigns, to promptly communicate to said Assignee or its representatives any facts known to them relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the Assignee, its representatives, successors and assigns to secure patent or similar protection for the said invention in all countries and to vest in the Assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said Assignee, its successors, assigns and other legal representatives.

Executed this 29th day of January 2002


Vamsee K. Pamula

Witnessed by:


Name Lynda M. Cecere Date 1/29/03


Name Joyce E. Parnas Date 1/29/03

Executed this 29th day of January ~~2002~~ ²⁰⁰³

Michael G. Pollack
Michael G. Pollack

Witnessed by: Lynda M. Cecere
Richard B. Jan 1/29/03
Name Date

Joyce E. Brown 1/29/03
Name Date

Executed this 29th day of January ~~2002~~ ²⁰⁰³

Philip Y. Paik
Philip Y. Paik

Witnessed by: Lynda M. Cecere
Richard B. Jan 1/29/03
Name Date

Joyce E. Brown 1/29/03
Name Date

Executed this 7th day of February 2002.

Ren Hong
Hong Ren

Witnessed by:

Wayne E. Graves 2/7/03
Name Date

Lynnda W. Cecere 2/7/03
Name Date

Executed this 7th day of February 2002.

Richard B. Fair
Richard B. Fair

Witnessed by:

Wayne E. Graves 2/7/03
Name Date

Lynnda W. Cecere 2/7/03
Name Date