

## 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>Shyam Boriah</td> <td>05/14/2013</td> </tr> <tr> <td>Ankush Khandelwal</td> <td>05/14/2013</td> </tr> <tr> <td>Vipin Kumar</td> <td>05/21/2013</td> </tr> <tr> <td>Varun Mithal</td> <td>05/14/2013</td> </tr> <tr> <td>Karsten Steinhäuser</td> <td>05/13/2013</td> </tr> </tbody> </table>		Name	Execution Date	Shyam Boriah	05/14/2013	Ankush Khandelwal	05/14/2013	Vipin Kumar	05/21/2013	Varun Mithal	05/14/2013	Karsten Steinhäuser	05/13/2013
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Shyam Boriah	05/14/2013												
Ankush Khandelwal	05/14/2013												
Vipin Kumar	05/21/2013												
Varun Mithal	05/14/2013												
Karsten Steinhäuser	05/13/2013												
RECEIVING PARTY DATA													
Name:	Regents of the University of Minnesota												
Street Address:	1000 Westgate Drive, Suite 160												
City:	St. Paul												
State/Country:	MINNESOTA												
Postal Code:	55114-8658												
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>13835022</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13835022								
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Application Number:	13835022												
CORRESPONDENCE DATA													
Fax Number:	6123343312												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	6123343222												
Email:	cnelson@wck.com												
Correspondent Name:	Theodore M. Magee												
Address Line 1:	900 Second Avenue South, Suite 1400												
Address Line 4:	Minneapolis, MINNESOTA 55402												
ATTORNEY DOCKET NUMBER:	U11.12-0219												
NAME OF SUBMITTER:	Theodore M. Magee												
Signature:	/Theodore M. Magee/												

OP \$40.00 13835022

Date:	06/04/2013
<b>Total Attachments: 6</b> source=Signed Assign#page1.tif source=Signed Assign#page2.tif source=Signed Assign#page3.tif source=Signed Assign#page4.tif source=Signed Assign#page5.tif source=Signed Assign#page6.tif	

# ASSIGNMENT

Attorney Docket No.

U11.12-0219

WHEREAS, we, Shyam Boriah of Minneapolis, Minnesota U.S.A.; Ankush Khandelwal of Minneapolis, Minnesota, U.S.A.; Vipin Kumar of Plymouth, Minnesota, U.S.A.; Varun Mithal of Minneapolis, Minnesota, U.S.A. and Karsten Steinhäuser of St. Paul, Minnesota, U.S.A. (hereinafter referred to as ASSIGNORS), are the inventors of an invention described in an application for Letters Patent of the United States entitled AUTOMATED MAPPING OF LAND COVER USING SEQUENCES OF AERIAL IMAGERY, the application having been executed on even date herewith, and/or being identifiable in the United States Patent and Trademark Office by Application No. 13/835,022, filed March 15, 2013; and

WHEREAS, Regents of the University of Minnesota (hereinafter referred to as ASSIGNEE), a corporation organized and existing under the laws of the State of Minnesota, and having offices at 1000 Westgate Drive, Suite 160, St. Paul, MN 55114-8658, U.S.A., is desirous of acquiring the entire right, title and interest in and to the invention, the application and any and all Letters Patent(s) or similar legal protection, foreign or domestic, to be obtained therefor;

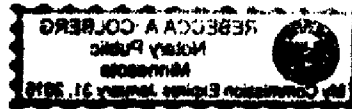
NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, we transfer to Assignee, its successors and assigns, our entire right, title and interest in and to the invention, the above-identified application(s), Provisional Application No. 61/756,715, filed January 25, 2013, corresponding domestic and foreign applications claiming rights or benefits to the above-identified application(s) including non-provisional applications, continuation applications, continuing applications, divisional applications, reissue applications, reexamination applications, design applications and continuation-in-part applications, all Letters Patent(s) or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention, including all rights of priority; and we authorize the Director of the United States Patent and Trademark Office or foreign equivalent thereof to issue the Letters Patent or similar legal protection to the Assignee.

We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date and serial number of the application when ascertained.

We authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

We represent to the Assignee, its successors and assigns, that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We, our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection of the invention in any and all countries.

Shyam Boriah



STATE OF MINNESOTA )  
 ) ss.  
COUNTY OF Hennepin )

Subscribed and sworn to before me, a Notary Public, this 14th day of May, 2013.

Marlene L. Woo  
Notary Public



(SEAL)

# ASSIGNMENT

Attorney Docket No.

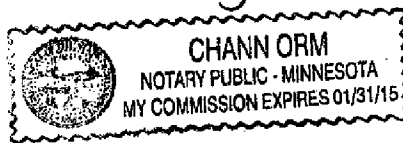
U11.12-0219

Ankush Khandelwal

STATE OF MINNESOTA )  
COUNTY OF Hennepin ) ss.

Subscribed and sworn to before me, a Notary Public, this 14<sup>th</sup> day of May, 2013

[Signature]  
Notary Public



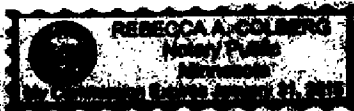
(SEAL)

Vipin Kumar

STATE OF MINNESOTA )  
COUNTY OF Ramsey ) ss.

Subscribed and sworn to before me, a Notary Public, this 24<sup>th</sup> day of May, 2013

[Signature]  
Notary Public



(SEAL)

\_\_\_\_\_  
Varun Mithal

STATE OF MINNESOTA )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

Subscribed and sworn to before me, a Notary Public, this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
Notary Public

(SEAL)

Karsten Steinhäuser  
Karsten Steinhäuser

STATE OF MINNESOTA )  
 ) ss.  
COUNTY OF Hennepin )

Subscribed and sworn to before me, a Notary Public, this 13<sup>th</sup> day of May, 2013

Kathy L Bitterly  
Notary Public

(SEAL)



# ASSIGNMENT

Attorney Docket No.

U11.12-0219

WHEREAS, we, Shyam Boriah of Minneapolis, Minnesota U.S.A.; Ankush Khandelwal of Minneapolis, Minnesota, U.S.A.; Vipin Kumar of Plymouth, Minnesota, U.S.A.; Varun Mithal of Minneapolis, Minnesota, U.S.A. and Karsten Steinhäuser of St. Paul, Minnesota, U.S.A. (hereinafter referred to as ASSIGNORS), are the inventors of an invention described in an application for Letters Patent of the United States entitled AUTOMATED MAPPING OF LAND COVER USING SEQUENCES OF AERIAL IMAGERY, the application having been executed on even date herewith, and/or being identifiable in the United States Patent and Trademark Office by Application No. 13/835,022, filed March 15, 2013; and

WHEREAS, Regents of the University of Minnesota (hereinafter referred to as ASSIGNEE), a corporation organized and existing under the laws of the State of Minnesota, and having offices at 1000 Westgate Drive, Suite 160, St. Paul, MN 55114-8658, U.S.A., is desirous of acquiring the entire right, title and interest in and to the invention, the application and any and all Letters Patent(s) or similar legal protection, foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, we transfer to Assignee, its successors and assigns, our entire right, title and interest in and to the invention, the above-identified application(s), Provisional Application No. 61/756,715, filed January 25, 2013, corresponding domestic and foreign applications claiming rights or benefits to the above-identified application(s) including non-provisional applications, continuation applications, continuing applications, divisional applications, reissue applications, reexamination applications, design applications and continuation-in-part applications, all Letters Patent(s) or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention, including all rights of priority; and we authorize the Director of the United States Patent and Trademark Office or foreign equivalent thereof to issue the Letters Patent or similar legal protection to the Assignee.

We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date and serial number of the application when ascertained.

We authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

We represent to the Assignee, its successors and assigns, that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We, our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

\_\_\_\_\_  
Shyam Boriah

STATE OF MINNESOTA )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

Subscribed and sworn to before me, a Notary Public, this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
Notary Public

(SEAL)

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\_\_\_\_\_  
Ankush Khandelwal

STATE OF MINNESOTA )  
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COUNTY OF \_\_\_\_\_ )

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\_\_\_\_\_  
Notary Public

(SEAL)

\_\_\_\_\_  
Vipin Kumar

STATE OF MINNESOTA )  
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COUNTY OF \_\_\_\_\_ )

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\_\_\_\_\_  
Notary Public

(SEAL)

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Varun Mithal

STATE OF MINNESOTA )  
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Marlene L. Woo  
Notary Public



(SEAL)

Karsten Steinhäuser  
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(SEAL)