

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>E. Mark Haacke</td> <td>08/12/2010</td> </tr> <tr> <td>Jaladhar Neelavalli</td> <td>08/11/2010</td> </tr> </tbody> </table>		Name	Execution Date	E. Mark Haacke	08/12/2010	Jaladhar Neelavalli	08/11/2010
Name	Execution Date						
E. Mark Haacke	08/12/2010						
Jaladhar Neelavalli	08/11/2010						
RECEIVING PARTY DATA							
Name:	Magnetic Resonance Innovations, Inc.						
Street Address:	440 East Ferry Street, Unit #2						
City:	Detroit						
State/Country:	MICHIGAN						
Postal Code:	48202						
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>13800118</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13800118		
Property Type	Number						
Application Number:	13800118						
CORRESPONDENCE DATA							
Fax Number:	3146673633						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	314-552-6000						
Email:	IPDOCKET@THOMPSONCOBURN.COM						
Correspondent Name:	THOMPSON COBURN LLP						
Address Line 1:	ONE US BANK PLAZA						
Address Line 2:	SUITE 3500						
Address Line 4:	ST LOUIS, MISSOURI 63101						
ATTORNEY DOCKET NUMBER:	66622-112429						
NAME OF SUBMITTER:	Clyde L. Smith						
<p>Total Attachments: 3          source=Assignment#page1.tif          source=Assignment#page2.tif          source=Assignment#page3.tif</p>							

CH \$40.00 13800118

ASSIGNMENT

WHEREAS, we, E. Mark Haacke, of 35 Tonnacour Place, Grosse Pointe Farms, MI 48236, and Jaladhar Neelavalli, of 5440 Cass Avenue, Apartment 1013, Detroit, MI 48202, have invented certain new and useful improvements for *A Method of Generating Nuclear Magnetic Resonance Images Using Susceptibility Weighted Imaging and Susceptibility Mapping (SWIM)* for which we executed an application for Letters Patent in the United States identifying us as the only inventors thereof, said application being assigned Serial No. 12/768,456 by the U.S. Patent and Trademark Office and identified as Thompson Coburn LLP, Docket No. 66622-84358; and

WHEREAS, Magnetic Resonance Innovations, Inc., a corporation of the State of Missouri having its principal office and place of business at 440 East Ferry Street, Unit #2, Detroit, MI 48202, is desirous of acquiring the entire right, title and interest in and to said invention and improvements as disclosed in said application, in and to said application, and in and to the patent to be obtained thereon.

NOW THEREFORE, for good and valuable consideration, the receipt and adequacy of all of which are hereby acknowledged, we, E. Mark Haacke and Jaladhar Neelavalli, have assigned and transferred and do hereby assign and transfer unto said Magnetic Resonance Innovations, Inc., its successors or assigns, the entire right, title and interest in and to said invention and improvements as the same are disclosed in said application which was executed by us in and to said application, and in and to any and all Letters Patent and applications filed therefor, including provisionals, non-provisionals, divisionals, continuations, reissues, reexaminations and extensions to be obtained therefor in the United States and all foreign countries; and we further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent as the assignee may desire to apply for, but at the expense of said assignee.

The Commissioner of Patents or other proper official is hereby authorized and requested to issue said Letters Patent to said Magnetic Resonance Innovations, Inc. in accordance with this Assignment.

The undersigned hereby authorize and request the attorneys of record in said application(s) to insert in this Assignment the serial number, filing date, and date of execution of said application(s).

For said considerations, the undersigned hereby agree, upon the request and at the expense of said Assignee, to execute any provisional, non-provisional, divisional, continuation, continuation-in-part or substitute application for said invention or improvements, and any oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application(s), and, in the event of any application or Letters Patent assigned herein becoming involved in an interference, to cooperate to the best of the ability of the undersigned in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof. The undersigned agree to perform, upon request, any affirmative acts to obtain said Letters Patent of the United States and vest in said Assignee all rights therein, whereby said Letters Patent will be held and enjoyed by said Assignee, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

And for said consideration, the undersigned hereby assign to said Assignee the entire right, title and interest in said invention or improvements for all foreign countries, including all priority rights, and agree to execute, at the request of said Assignee, all documents in connection with any application for foreign Letters Patent therefor.

IN WITNESS WHEREOF, I have hereunto set my hand the 12<sup>th</sup> day of August, 2010.

E. Mark Haacke  
E. Mark Haacke

STATE OF \_\_\_\_\_ :  
COUNTY OF \_\_\_\_\_ : SS

On this 12 day of August, 2010 before me, a Notary Public, within and for the County of Wayne, State of Michigan, personally appeared E. Mark Haacke, to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Dolores G. Hoffman  
Notary Public

My Commission Expires: 09-22-2014

5127380.1

**Dolores G. Hoffman**  
**Notary Public, Wayne County,**  
**My Commission Expires Sept. 22, 2014**

PATENT  
REEL: 029986 FRAME: 0118

IN WITNESS WHEREOF, I have hereunto set my hand the 11 day of AUGUST, 2010.

Jaladhar Neelavalli  
Notary Public

STATE OF

:  
: SS  
:

COUNTY OF

On this 11 day of August, 2010 before me, a Notary Public, within and for the County of Wayne, State of Michigan, personally appeared Jaladhar Neelavalli, to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Ruth Denise Hollingsworth  
Notary Public

My Commission Expires: 03/23/2014

RUTH DENISE HOLLINGSWORTH  
NOTARY PUBLIC - MICHIGAN  
WAYNE COUNTY  
ACTING IN THE COUNTY OF Wayne  
MY COMMISSION EXPIRES 03/23/2014