

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>Joonsung Lee</td> <td>09/05/2011</td> </tr> <tr> <td>Elfar Adalsteinsson</td> <td>05/13/2011</td> </tr> </tbody> </table>		Name	Execution Date	Joonsung Lee	09/05/2011	Elfar Adalsteinsson	05/13/2011
Name	Execution Date						
Joonsung Lee	09/05/2011						
Elfar Adalsteinsson	05/13/2011						
RECEIVING PARTY DATA							
Name:	Massachusetts Institute of Technology						
Street Address:	28 Carleton Street						
Internal Address:	Room E32-300						
City:	Cambridge						
State/Country:	MASSACHUSETTS						
Postal Code:	02142-1324						
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>13083342</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13083342		
Property Type	Number						
Application Number:	13083342						
CORRESPONDENCE DATA							
Fax Number:	(312)291-0864						
Phone:	312-291-0860						
Email:	jpadalino@lsk-iplaw.com						
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NAME OF SUBMITTER:	G. Christopher Braidwood						
Total Attachments: 4 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif							

CH \$40.00 13083342

ASSIGNMENT

WHEREAS, **JOONSUNG LEE and ELFAR ADALSTEINSSON**, hereinafter called the "Assignors," have made the invention described in the United States patent application entitled **PARALLEL TRANSMISSION RF PULSE DESIGN WITH LOCAL SAR CONSTRAINTS**, for a full description of which reference is here made to an application for Letters Patent of the United States filed on **April 8, 2011 as U.S. Application Serial No. 13/083,342**;

WHEREAS, **Massachusetts Institute of Technology**, a corporation organized and existing under the laws of **the United States of America**, having a place of business at **28 Carleton Street, Room E32-300, Cambridge, MA 02142-1324**, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of my employment by said corporation, and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in

vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATE: _____
_____ **JOONSUNG LEE**

WITNESSED:

DATE: _____

DATE: _____

DATE: 13-May-2011 _____
_____ **ELFAR ADALSTEINSSON**

WITNESSED:

DATE: May 13, 2011 _____
_____ **Andrea J. Barry**

DATE: May 13, 2011 _____
_____ **EMILY HOUGH**

ASSIGNMENT

WHEREAS, **JOONSUNG LEE and ELFAR ADALSTEINSSON**, hereinafter called the "Assignors," have made the invention described in the United States patent application entitled **PARALLEL TRANSMISSION RF PULSE DESIGN WITH LOCAL SAR CONSTRAINTS**, for a full description of which reference is here made to an application for Letters Patent of the United States filed on **April 8, 2011 as U.S. Application Serial No. 13/083,342**;

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NOW, THEREFORE, in consideration of my employment by said corporation, and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in

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DATE:

Sep. 05, 2011

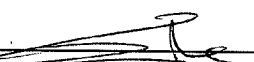


JOONSUNG LEE

WITNESSED:


DATE:

September 5th, 2011.

Seungsook Yang 

DATE:

9.5.2011

Natae Choi 

DATE:

ELFAR ADALSTEINSSON

WITNESSED:

DATE:

DATE:
