

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Darin M. Gritters	11/17/2011
Kenneth W. Brown	11/21/2011
Andrew K. Brown	11/17/2011
Michael A. Moore	11/18/2011
Patrick J. Kocurek	11/18/2011
Thomas A. Hanft	11/18/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Raytheon Company
<b>Street Address:</b>	870 Winter Street
<b>City:</b>	Waltham
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02451-1449
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13303823
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(781)401-9966
<b>Phone:</b>	7814019988
<b>Email:</b>	mhw@dc-m.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Correspondent Name:</b>	Daly, Crowley, Mofford & Durkee, LLP
<b>Address Line 1:</b>	354A Turnpike Street
<b>Address Line 2:</b>	Suite 301A
<b>Address Line 4:</b>	Canton, MASSACHUSETTS 02021-2714
<b>ATTORNEY DOCKET NUMBER:</b>	RTN-653PUS (11-1850)

**CH \$40.00 13303823**

**501735863**

**PATENT**  
**REEL: 027286 FRAME: 0274**

NAME OF SUBMITTER:

Christopher S. Daly

**Total Attachments: 8**

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## ASSIGNMENT

I/we, the undersigned, Darin M. Gritters, Kenneth W. Brown, Andrew K. Brown, Michael A. Moore, Patrick J. Kocurek and Thomas A. Hanft ("**Assignor(s)**"), have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled, HIGH FREQUENCY, HIGH BANDWIDTH, LOW LOSS MICROSTRIP TO WAVEGUIDE TRANSITION, identified as *Attorney Docket No. RTN-653PUS (Client Reference No. 11-1850-US-NP-RPH)*, which application was filed on Nov. 23, 2011 and assigned Application No. 13/303,823. In the event that the execution date, filing date and/or Application No. are not entered or are incorrect at the time Assignor(s) executed this document, Assignor(s) hereby authorize and request an attorney of Assignee to insert the information or make the correction.

RAYTHEON COMPANY is a Delaware Corporation having a place of business at 870 Winter Street, Waltham, MA 02451-1449, and which, together with its successors and assigns ("**Assignee**"), is desirous of acquiring the title, rights, benefits and privileges hereinafter recited.

For valuable consideration furnished by Assignee to Assignor(s), receipt and sufficiency of which Assignor(s) hereby acknowledge, Assignor(s) hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent (including without limitation utility models, designs, plants and any other such intellectual property) on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue, re-examination and convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent and any provisional applications from which priority is claimed in said Letters Patent and all rights to claim or sue for prior damages;

2. Authorize Assignee to file said patent applications for Letters Patent in any or all countries on any or all of said inventions and discoveries in the name of Assignor(s) or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

PATENT ASSIGNMENT  
*Attorney Docket No. RTN-653PUS*  
*(Client Reference No. 11-1850-US-NP-RPH)*

4. Confirm that Assignor(s) have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and

5. Bind heirs, legal representatives and assigns of Assignor(s), as well as Assignor(s), to do, upon Assignee's request, all acts reasonable to assure that said inventions and discoveries, said patent applications and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by heirs, legal representatives and assigns of Assignor(s) or Assignor(s) if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to Assignor(s) relating to said inventions and discoveries or the history thereof; and to furnish Assignee, upon request, with any and all relevant documents, photographs, models, samples and other physical exhibits in control of Assignor(s) or in the control of heirs, legal representatives or assigns of Assignor(s).

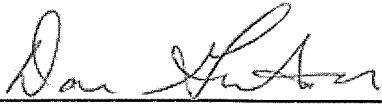
Assignor(s) accept the terms of this Assignment as indicated by their signature below.

*[Signatures on following pages]*

PATENT ASSIGNMENT  
Attorney Docket No. RTN-653PUS  
(Client Reference No. 11-1850-US-NP-RPH)

Accepted by:

Dated: 11-17-2011

  
Darin M. Gritters

Witnessed by:

Dated: 11/17/2011

  
First Witness Signature

Shane O'Connor  
First Witness Printed Name

Dated: 11/17/2011

  
Second Witness Signature

Travis Feenstra  
Second Witness Printed Name

PATENT ASSIGNMENT  
Attorney Docket No. RTN-653PUS  
(Client Reference No. 11-1850-US-NP-RPH)

Accepted by:

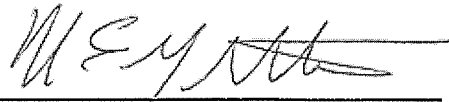
Dated: 11/21/2011



Kenneth W. Brown

Witnessed by:

Dated: 11/21/2011



First Witness Signature

Michael E. Gritters

First Witness Printed Name

Dated: 11/21/2011



Second Witness Signature

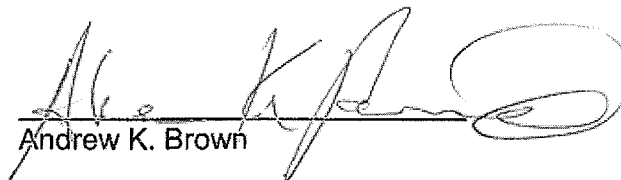
REID LOWEN

Second Witness Printed Name

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Attorney Docket No. RTN-653PUS  
(Client Reference No. 11-1850-US-NP-RPH)

Accepted by:

Dated: 11/17/2011

  
\_\_\_\_\_  
Andrew K. Brown

Witnessed by:

Dated: 11/17/2011

  
\_\_\_\_\_  
First Witness Signature

Shane O'Connor  
\_\_\_\_\_  
First Witness Printed Name

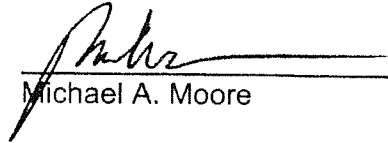
Dated: 11/17/2011

  
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Second Witness Signature

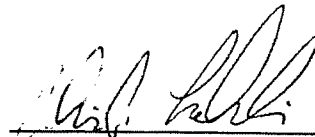
Travis Feenstra  
\_\_\_\_\_  
Second Witness Printed Name

PATENT ASSIGNMENT  
Attorney Docket No. RTN-653PUS  
(Client Reference No. 11-1850-US-NP-RPH)

Accepted by:  
Dated: 18 Nov 2011

  
\_\_\_\_\_  
Michael A. Moore

Witnessed by:  
Dated: 18 Nov 2011

  
\_\_\_\_\_  
First Witness Signature  
Chris A. Loehlein  
\_\_\_\_\_  
First Witness Printed Name

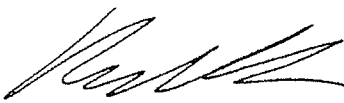
Dated: 11/18/11

Amanda Thomas  
\_\_\_\_\_  
Second Witness Signature  
Amanda Thomas  
\_\_\_\_\_  
Second Witness Printed Name

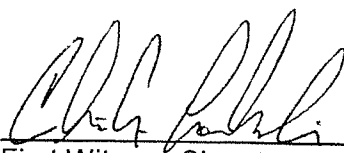


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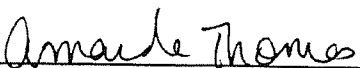
Accepted by:  
Dated: 11-18-2011

  
\_\_\_\_\_  
Patrick J. Kocurek

Witnessed by:  
Dated: 18 Nov 2011

  
\_\_\_\_\_  
First Witness Signature  
Chris G. Cochrane  
\_\_\_\_\_  
First Witness Printed Name

Dated: 11/18/11

  
\_\_\_\_\_  
Second Witness Signature  
Amanda Thomas  
\_\_\_\_\_  
Second Witness Printed Name

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Attorney Docket No. RTN-653PUS  
(Client Reference No. 11-1850-US-NP-RPH)

Accepted by:  
Dated: 11/18/2011

Thomas A. Hanft  
Thomas A. Hanft

Witnessed by:  
Dated: 18 Nov 2011

Chris G. Lehler  
First Witness Signature  
Chris G. Lehler  
First Witness Printed Name

Dated: 11/18/11

Amarda Thomas  
Second Witness Signature  
Amarda Thomas  
Second Witness Printed Name

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