

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>Theodore N. Tahmisian Jr.</td> <td>04/12/2012</td> </tr> <tr> <td>Charles A. Hall</td> <td>04/12/2012</td> </tr> </tbody> </table>	Name	Execution Date	Theodore N. Tahmisian Jr.	04/12/2012	Charles A. Hall	04/12/2012	
Name	Execution Date						
Theodore N. Tahmisian Jr.	04/12/2012						
Charles A. Hall	04/12/2012						
RECEIVING PARTY DATA							
Name:	RAYTHEON COMPANY						
Street Address:	870 Winter Street						
City:	Waltham						
State/Country:	MASSACHUSETTS						
Postal Code:	02451-1449						
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>13445794</td> </tr> </tbody> </table>	Property Type	Number	Application Number:	13445794			
Property Type	Number						
Application Number:	13445794						
CORRESPONDENCE DATA							
Fax Number:	(626)577-8800						
Phone:	626-795-9900						
Email:	pto@cph.com						
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>							
Correspondent Name:	CHRISTIE, PARKER & HALE, LLP.						
Address Line 1:	P.O. Box 29001						
Address Line 4:	Glendale, CALIFORNIA 91209						
ATTORNEY DOCKET NUMBER:	69590/R691						
NAME OF SUBMITTER:	Raymond R. Tabandeh						
Total Attachments: 4 source=Assign#page1.tif source=Assign#page2.tif source=Assign#page3.tif source=Assign#page4.tif							

OP \$40.00 13445794

PATENT

ASSIGNMENT

I/we, the undersigned, Theodore N. Tahmisian, Jr. and Charles A. Hall ("**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, MINIATURE HORN INTERROGATOR ANTENNA WITH INTERNAL SUM/DIFFERENCE COMBINER, identified as *Attorney Docket No. 69590/R691 - (12-3012-US-NP)*, which application was filed on April 12, 2012 and assigned Application No. 13/445,794. 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;

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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. 69590/R691 - (12-3012-US-NP)

Accepted by:

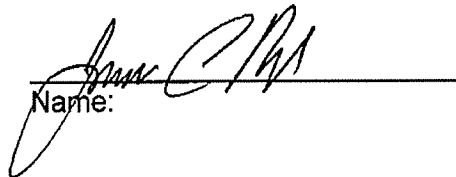
Dated: April 12, 2012



Theodore N. Tahmisian, Jr.

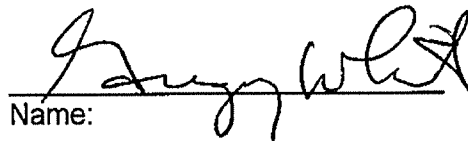
Witnessed by:

Dated: April 12, 2012



Name:

Dated: April 13, 2012




Name:

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Attorney Docket No. 69590/R691 - (12-3012-US-NP)

Accepted by:

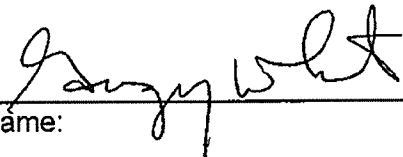
Dated: 12 APR 2012



Charles A. Hall

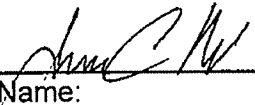
Witnessed by:

Dated: April 12, 2012



Name:

Dated: April 12, 2012



Name:

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