

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the application number incorrectly identified on the cover sheet as 13/894,767 previously recorded on Reel 031008 Frame 0911. Assignor(s) hereby confirms the application number should be 13/894,764.										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>James Joseph Richardson</td> <td>05/11/2012</td> </tr> <tr> <td>Christopher Higgins</td> <td>05/20/2010</td> </tr> </tbody> </table>		Name	Execution Date	James Joseph Richardson	05/11/2012	Christopher Higgins	05/20/2010				
Name	Execution Date										
James Joseph Richardson	05/11/2012										
Christopher Higgins	05/20/2010										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Raytheon Company</td> </tr> <tr> <td>Street Address:</td> <td>870 Winter Street</td> </tr> <tr> <td>City:</td> <td>Waltham</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02451</td> </tr> </table>		Name:	Raytheon Company	Street Address:	870 Winter Street	City:	Waltham	State/Country:	MASSACHUSETTS	Postal Code:	02451
Name:	Raytheon Company										
Street Address:	870 Winter Street										
City:	Waltham										
State/Country:	MASSACHUSETTS										
Postal Code:	02451										
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>13894764</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13894764						
Property Type	Number										
Application Number:	13894764										
CORRESPONDENCE DATA											
<p>Fax Number: 2486475210  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 248-647-6000        Email: crichard@hdp.com        Correspondent Name: Gifford Krass et al.        Address Line 1: P.O. Box 7021        Address Line 4: Troy, MICHIGAN 48007</p>											
ATTORNEY DOCKET NUMBER:	TTC-67803/08										
NAME OF SUBMITTER:	Thomas E. Anderson										
Signature:	/Thomas E. Anderson/										

Date:

09/19/2013

**Total Attachments: 9**

source=13894764\_Raytheon\_Assignment\_Corrected#page1.tif

source=13894764\_Raytheon\_Assignment\_Corrected#page2.tif

source=13894764\_Raytheon\_Assignment\_Corrected#page3.tif

source=13894764\_Raytheon\_Assignment\_Corrected#page4.tif

source=13894764\_Raytheon\_Assignment\_Corrected#page5.tif

source=13894764\_Raytheon\_Assignment\_Corrected#page6.tif

source=13894764\_Raytheon\_Assignment\_Corrected#page7.tif

source=13894764\_Raytheon\_Assignment\_Corrected#page8.tif

source=13894764\_Raytheon\_Assignment\_Corrected#page9.tif



United States Patent and Trademark Office

Home | Site Index | Search | Guides | Contacts | eBusiness | eBiz alerts | News | Help



**Electronic Patent Assignment System**

# Confirmation Receipt

Your assignment has been received by the USPTO.  
The coversheet of the assignment is displayed below:

<b>PATENT ASSIGNMENT</b>
--------------------------

Electronic Version v1.1  
Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT						
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT						
<b>CONVEYING PARTY DATA</b>							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>James Joseph Richardson</td> <td>05/11/2012</td> </tr> <tr> <td>Christopher Higgins</td> <td>05/20/2010</td> </tr> </tbody> </table>		Name	Execution Date	James Joseph Richardson	05/11/2012	Christopher Higgins	05/20/2010
Name	Execution Date						
James Joseph Richardson	05/11/2012						
Christopher Higgins	05/20/2010						
<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						
<b>PROPERTY NUMBERS Total: 1</b>							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td><b>Application Number:</b></td> <td>13894767 <i>s/b 13/894,764</i></td> </tr> </tbody> </table>		Property Type	Number	<b>Application Number:</b>	13894767 <i>s/b 13/894,764</i>		
Property Type	Number						
<b>Application Number:</b>	13894767 <i>s/b 13/894,764</i>						
<b>CORRESPONDENCE DATA</b>							
<b>Fax Number:</b>	2486475210						
<b>Phone:</b>	248-647-6000						
<b>Email:</b>	crichard@patlaw.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>	Gifford Krass et al.						
<b>Address Line 1:</b>	P.O. Box 7021						

**PATENT**

<b>Address Line 4:</b> Troy, MICHIGAN 48007	
<b>ATTORNEY DOCKET NUMBER:</b>	TTC-67803/08
<b>NAME OF SUBMITTER:</b>	Thomas E. Anderson
<b>Signature:</b>	/Thomas E. Anderson/
<b>Date:</b>	08/14/2013
<b>Total Attachments: 5</b> source=13894764_Assignment_Raytheon#page1.tif source=13894764_Assignment_Raytheon#page2.tif source=13894764_Assignment_Raytheon#page3.tif source=13894764_Assignment_Raytheon#page4.tif source=13894764_Assignment_Raytheon#page5.tif	
<b>RECEIPT INFORMATION</b>	
<b>EPAS ID:</b>	PAT2501890
<b>Receipt Date:</b>	08/14/2013
<b>Fee Amount:</b>	\$40

[Return to home page](#)

| [HOME](#) | [INDEX](#) | [SEARCH](#) | [eBUSINESS](#) | [CONTACT US](#) | [PRIVACY STATEMENT](#)

**ASSIGNMENT BY INVENTOR**

**THIS ASSIGNMENT**, made this 11th day of May, 2012, by James Joseph Richardson (hereinafter referred to as Assignor), residing at 32388 Corte Coronado, Temecula, California 92592;

**WHEREAS**, Assignor has invented certain new and useful improvements in **COMMUNICATION BASED VEHICLE-PEDESTRIAN COLLISION WARNING SYSTEM**, set forth in a Utility application for Letters Patent of the United States, already filed on March 12, 2009 as U.S. Application No. 12/403,067; and

**WHEREAS**, Raytheon Company, a Corporation organized under and pursuant to the laws of United States of America having its principal place of business at 870 Winter Street, Waltham, Massachusetts 02451 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

**AND** for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and

delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Utility application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

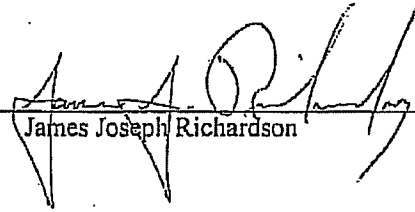
GIFFORD, KRASS, SPRINKLE, ANDERSON & CITKOWSKI, P.C.

All practitioners at Customer Number 63796

AND Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: 5-11-2012

Signature:

  
James Joseph Richardson

## ASSIGNMENT

Whereas I, the undersigned, Christopher Higgins hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled COMMUNICATION BASED VEHICLE-PEDESTRIAN COLLISION WARNING SYSTEM, identified as which filed on March 13, 2009, and assigned Application No. 12/403,067.

Whereas Raytheon Company, a Delaware Corporation having a place of business at 870 Winter Street, Waltham, MA 02451-1449, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to me, receipt and sufficiency of which we hereby acknowledge, I 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 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;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my name 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;

4. Warrant that I 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 that I have good right to assign the same to Assignee without encumbrance;

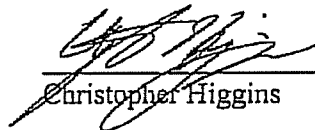
5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns 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 me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have each executed this Assignment as an instrument on the date indicated next to our name(s).

Dated: 5/20/10

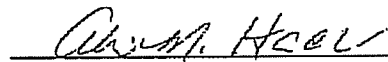
  
Christopher Higgins

On this 20 day of May, 2010, before me appeared Christopher Higgins, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

  
First Witness Signature

Heidi Sosa  
First Witness Printed Name

On this 20 day of May, 2010, before me appeared Christopher Higgins, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

  
Second Witness Signature

Alison M. Hacker  
Second Witness Printed Name