

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Robert A. LeMire	10/15/2010
John M. Branning Jr.	10/16/2010
<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>	02451-1449
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12906937
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(626)577-8800
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	626/795-9900
<b>Email:</b>	pto@cph.com
<b>Correspondent Name:</b>	Christie, Parker & Hale, LLP
<b>Address Line 1:</b>	P. O. Box 7068
<b>Address Line 4:</b>	Pasadena, CALIFORNIA 91109-7068
<b>ATTORNEY DOCKET NUMBER:</b>	65860/R691
<b>NAME OF SUBMITTER:</b>	Robert A. Green

Total Attachments: 4  
 source=65860Assignment#page1.tif  
 source=65860Assignment#page2.tif  
 source=65860Assignment#page3.tif

**501466324**

**PATENT**  
**REEL: 025951 FRAME: 0603**

**CH \$40.00 12906937**



Docket No. 65860/R691 (10-0787)

Joint

## ASSIGNMENT

WHEREAS, WE, ROBERT A. LEMIRE AND JOHN M. BRANNING JR., residing at 11548 Penick Way, Frisco, TX 75034-1796 and 15800 Spectrum Drive, #1422, Addison, TX 75001, respectively, have invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled **SYSTEMS AND METHODS FOR COLLISION AVOIDANCE IN UNMANNED AERIAL VEHICLES**, Raytheon Ref. 10-0787, CPH Ref. R691:65860.


AND WHEREAS RAYTHEON COMPANY, a Delaware corporation, having a place of business at 870 Winter Street, Waltham, Massachusetts 02451-1449 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said improvements and application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to said improvements, and said application and all divisions and continuations thereof, and all United States Letters Patents which may be granted thereon and all reissues, reexaminations and extensions thereof, including the right to sue or otherwise bring action and to collect and receive damages therefrom, for past infringement thereof, and all priority rights under all available International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms in every participating country, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all continuations, divisions, extensions, renewals, substitutes, and reissues thereof) granted for said improvements in any foreign countries; and we hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to ASSIGNEE in accordance with the terms of this Assignment;

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

AND WE HEREBY further covenant and agree that we will communicate to ASSIGNEE any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand this 15 day of October,  
20 10

  
Robert A. Lemire

PATENT

REEL: 025951 FRAME: 0605

**ASSIGNMENT**

Docket No. 65860/R691 (10-0787)

Joint

Witnessed by:

Marion F. Cooper  
Name

Marion F. Cooper  
Signature

Wanda L. Lowry  
Name

Wanda L. Lowry  
Signature

\*\*\*\*\*

IN TESTIMONY WHEREOF, I hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

John M. Brasing Jr.

Witnessed by:

\_\_\_\_\_  
Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Name

\_\_\_\_\_  
Signature

GF/asl

ASL PAS924374.1\*-10/12/10 11:30 AM

ASSIGNMENT <sup>JMB</sup>  
<sup>15750</sup>

# 2104

WHEREAS, WE, ROBERT A. LEMIRE AND JOHN M. BRANNING JR., residing at 11548 Penick Way, Frisco, TX 75034-1796 and ~~15800~~ Spectrum Drive, #1422, Addison, TX 75001, respectively, have invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled SYSTEMS AND METHODS FOR COLLISION AVOIDANCE IN UNMANNED AERIAL VEHICLES, Raytheon Ref. 10-0787, CPH Ref. R691-65860.

AND WHEREAS RAYTHEON COMPANY, a Delaware corporation, having a place of business at 870 Winter Street, Waltham, Massachusetts 02451-1449 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said improvements and application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to said improvements, and said application and all divisions and continuations thereof, and all United States Letters Patents which may be granted thereon and all reissues, reexaminations and extensions thereof, including the right to sue or otherwise bring action and to collect and receive damages therefrom, for past infringement thereof, and all priority rights under all available International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms in every participating country, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all continuations, divisions, extensions, renewals, substitutes, and reissues thereof) granted for said improvements in any foreign countries; and we hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to ASSIGNEE in accordance with the terms of this Assignment;

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

AND WE HEREBY further covenant and agree that we will communicate to ASSIGNEE any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_

Robert A. Lemire

ASSIGNMENT  
Docket No. 65860/R691 (10-0787)

Joint

Witnessed by:

.....  
Name

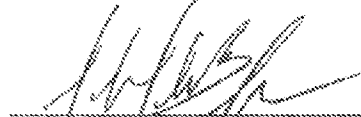
.....  
Signature

.....  
Name

.....  
Signature

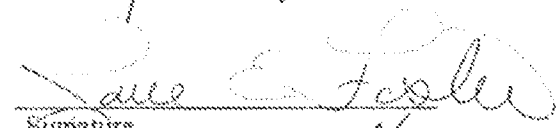
\*\*\*\*\*

IN TESTIMONY WHEREOF, I hereunto set my hand this 18 day of October  
2010.

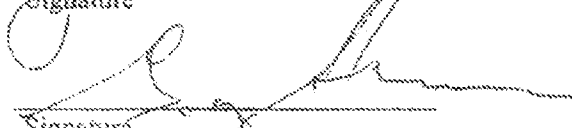
  
.....  
John M. Banning Jr.

Witnessed by:

JANE E. FOSTER  
Name

  
.....  
Signature

Garry A. Korman  
Name

  
.....  
Signature

GF/asl

ASL PA2924374.1-7-10/10/10 11:30 AM