Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Thomas S. Wiggin	09/04/2008
David A. Sharp	09/08/2008
Marc A. Brown	09/04/2008
Christopher C. Mello	09/09/2008
Frank H. Hitzke	09/23/2008
David A. Giroux	09/30/2008
Douglas L. Veilleux II	09/05/2008
Emily J. Pikor	09/08/2008
Edward M. Gaboriault Jr.	09/05/2008

RECEIVING PARTY DATA

Name:	Raytheon Company
Street Address:	870 Winter Street
City:	Waltham
State/Country:	MASSACHUSETTS
Postal Code:	02451-1449

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12207762

CORRESPONDENCE DATA

Fax Number: (781)401-9966

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

7814019988 Phone: Email: mhw@dc-m.com

Correspondent Name: Daly, Crowley, Mofford & Durkee, LLP Address Line 1: 354A Turnpike Street, Suite 301A Address Line 4: Canton, MASSACHUSETTS 02021

PATENT

500710215 **REEL: 021866 FRAME: 0346**

ATTORNEY DOCKET NUMBER:	RTN-423PUS
NAME OF SUBMITTER:	Kermit Robinson
Total Attachments: 42	
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PATENT REEL: 021866 FRAME: 0347

ASSIGNMENT

Whereas we, the undersigned, Thomas S. Wiggin, David A. Sharp, Marc A. Brown, Christopher C. Mello, Frank H. Hitzke, David A. Giroux, Douglas L. Veilleux II, Emily J. Pikor, and Edward M. Gaboriault Jr. hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled Anchor Containing a Self Deploying Mooring System and Method of Automatically Deploying the Mooring System From the Anchor, identified as Attorney Docket No. RTN-423PUS, and Client Case No. 07E235/US/BAS, which application was executed on September 5, 2008, September 8, 2008, September 9, 2008, September 7, 2008, September 13, 2008, September 5, 2008, September 5, 2008, and assigned Application No. 12/207,762. In the event that the execution date, filing date and/or Application No. are not entered above or are incorrect at the time we executed this document, and if such information is deemed necessary, we hereby authorize and request our attorneys at Daly, Crowley, Mofford & Durkee, LLP, 354A Turnpike Street, Suite 301A, Canton, MA 02021-2714, to insert above the execution date, filing date and/or Application No. of said application.

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 us, receipt and sufficiency of which we hereby acknowledge, we 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;

1

- 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 under seal on the date indicated next to each of our respective names.

State or Commonwealth of Rhode Island	
County Nowport	
Dated 4 September 2008	Thome delin
7	Thomas S. Wiggin
On this 4 day of Soptember, 2008, me known and known to me as the person described instrument, and he/she acknowledged the same to be	ar and who excented the following
	Laura J. Evans exp4-14-2010
, "	Printed Name of Notary Public

2

(seal)

State or Commonwealth of Bhoole ISIa	na
Dated Sept. 8, 2008	Dlap
On this Edday of September, 20 known and known to me as the person described in and he/she acknowledged the same to be his/her fr	David A. Sharp 08, before me appeared David A. Sharp, to me and who executed the foregoing instrument, see act and deed.
Gina-Marie Ciaccio Notary Public of Rhode Island Expires on 03/04/2010 (seal)	Notary Public Since-Marie Ciaccio Printed Name of Notary Public
State or Commonwealth of	
County	
Dated	
	Marc A. Brown
On this day of, 200 known and known to me as the person described in and he/she acknowledged the same to be his/her from the same to be also	08, before me appeared Marc A. Brown, to me and who executed the foregoing instrument, see act and deed.
	Notary Public
Grant N	Printed Name of Notary Public

(seal)

State or Commonwealth of	
County	
Dated	
	Christopher C. Mello
On this day of to me known and known to me as the per instrument, and he/she acknowledged the	, 2008, before me appeared Christopher C. Mello, cson described in and who executed the foregoing e same to be his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public
State or Commonwealth of	
County	
Dated	Frank H. Hitzke
On this day of known and known to me as the person de and he/she acknowledged the same to be	, 2008, before me appeared Frank H. Hitzke, to me scribed in and who executed the foregoing instrument, his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public

4

State or Commonwealth of	
County	
Dated	
	David A. Giroux
On this day of me known and known to me as the person instrument, and he/she acknowledged the	, 2008, before me appeared David A. Giroux, to a described in and who executed the foregoing same to be his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public

Date	Douglas L. Veilleux II
Commonwealth of Massachusetts	
County of SS.	
On this the day of	, 2008, before me,,
the undersigned Notary Public, personally ap	ppeared Douglas L. Veilleux II
proved to me through satisfactory evidence	of identity, which was/were
(Description	n of Evidence of Identity)
	to preceding document and acknowledged to me that
	Signature of Notary Public
	Printed Name of Notary Public
Place Notary Seal and/or Any Stamp Above	My Commission Expires

PATENT ASSIGNMENT Atty. Dckt. No.: RTN-423PUS

Client Case No.: 07E235/US/BAS

State or Commonwealth of Rock Island	
County Nowport	
Dated 8 Sept 2008	mily J. Pikor
On this the day of September, 2008, known and known to me as the person described in an and he/she acknowledged the same to be his/her free a	d who executed the foregoing instrument
	TEVANS 840 4-14-10 rinted Name of Notary Public
State or Commonwealth of Rhode Island	
County NEWPOV7 Dated SEP1. 5, 2008 Ed	Ehred M. Cubent J. dward M. Gaboriault Jr.
On this 5 day of 2740mber, 2008, I Jr., to me known and known to me as the person descrinstrument, and he/she acknowledged the same to be h	IDEA IN ANA Who executed the foregoing
<u>()</u> N	MA-MANI CALLOTO otary Public
(seal)	MA-Mavie Ciacaio rinted Name of Notary Public
92600.doc	Gina-Marie Ciaccio Notary Public of Rhode Island Expires on 03/04/2010

PATENT

ASSIGNMENT

Whereas we, the undersigned, Thomas S. Wiggin, David A. Sharp, Marc A. Brown, Christopher C. Mello, Frank H. Hitzke, David A. Giroux, Douglas L. Veilleux II, Emily J. Pikor, and Edward M. Gaboriault Jr. hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled Anchor Containing a Self Deploying Mooring System and Method of Automatically Deploying the Mooring System from the Anchor, identified as Attorney Docket No. RTN-423PUS, and Client Case No. 07E235/US/BAS, which application was executed on September 5, 2008, September 8, 2008, September 9, 2008, September 7, 2008, September 13, 2008, September 5, 2008, September 5, 2008, September 5, 2008, and assigned Application No. 12/207,762. In the event that the execution date, filing date and/or Application No. are not entered above or are incorrect at the time we executed this document, and if such information is deemed necessary, we hereby authorize and request our attorneys at Daly, Crowley, Mofford & Durkee, LLP, 354A Turnpike Street, Suite 301A, Canton, MA 02021-2714, to insert above the execution date, filing date and/or Application No. of said application.

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

1

PATENT ASSIGNMENT Atty. Dckt. No.: RTN-423PUS

Client Case No.: 07E235/US/BAS

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 under seal on the date indicated next to each of our respective names.

State or Common	wealth of	
County		
Dated		
		Thomas S. Wiggin
me known and kno	own to me as the pe	, 2008, before me appeared Thomas S. Wiggin, to erson described in and who executed the foregoing the same to be his/her free act and deed.
		Notary Public
	(seal)	Printed Name of Notary Public

State or Commonwealth of	
County	
Dated	
	David A. Sharp
On this day of known and known to me as the person des and he/she acknowledged the same to be h	, 2008, before me appeared David A. Sharp, to me cribed in and who executed the foregoing instrument, his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public
State or Commonwealth of <u>ARIZOA</u> County <u>RWA</u>	<u>10</u>
Dated <u>9-4-2008</u>	Marc A. Brown
and he/she acknowledged the same to be h	, 2008, before me appeared Marc A. Brown, to me cribed in and who executed the foregoing instrument, is/her free act and deed. Notary Public
ELVIA TREVINO NOTARY PUBLIC-ARIZONA PIMA COUNTY My COMM. Exp. April 14, 2011	Printed Name of Notary Public

PATENT ASSIGNMENT

Atty. Dckt. No.: RTN-423PUS Client Case No.: 07E235/US/BAS

State or Commonwealth of	
County	
Dated	
	Christopher C. Mello
On this day of to me known and known to me as the p instrument, and he/she acknowledged the	, 2008, before me appeared Christopher C. Mello, erson described in and who executed the foregoing he same to be his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public
State or Commonwealth of	
County	
Dated	
	Frank H. Hitzke
On this day of known and known to me as the person of and he/she acknowledged the same to b	, 2008, before me appeared Frank H. Hitzke, to me described in and who executed the foregoing instrument, e his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public

State or Commonwealth of	
County	
Dated	
	David A. Giroux
me known and known to me as	, 2008, before me appeared David A. Giroux, to sthe person described in and who executed the foregoing eledged the same to be his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public

PATENT ASSIGNMENT

Atty. Dckt. No.: RTN-423PUS Client Case No.: 07E235/US/BAS

Date	Douglas L. Veilleux II
Commonwealth of Massachusetts	
Commonwealth of Massachusetts County of SS.	
On this the day of	, 2008, before me,,
	ppeared Douglas L. Veilleux II Name of Inventor
proved to me through satisfactory evidence	of identity, which was/were
(Description	on of Evidence of Identity)
to be the person whose name is signed on the he/she signed it voluntarily for this stated pu	ne preceding document, and acknowledged to me that arpose.
	Signature of Notary Public
	Printed Name of Notary Public
Place Notary Seal and/or Any Stamp Above	My Commission Expires

PATENT ASSIGNMENT

Atty. Dckt. No.: RTN-423PUS Client Case No.: 07E235/US/BAS

State or Commonwealth of	<u> </u>
County	
Dated	
	Emily J. Pikor
On this day of, 200 known and known to me as the person described in and he/she acknowledged the same to be his/her free	08, before me appeared Emily J. Pikor, to me and who executed the foregoing instrument, see act and deed.
	Notary Public
(seal)	Printed Name of Notary Public
State or Commonwealth of	_
County	
Dated	
	Edward M. Gaboriault Jr.
On this day of, 200 Jr., to me known and known to me as the person de instrument, and he/she acknowledged the same to b	8, before me appeared Edward M. Gaboriault scribed in and who executed the foregoing e his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public

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ASSIGNMENT

Whereas we, the undersigned, Thomas S. Wiggin, David A. Sharp, Marc A. Brown, Christopher C. Mello, Frank H. Hitzke, David A. Giroux, Douglas L. Veilleux II, Emily J. Pikor, and Edward M. Gaboriault Jr. hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled Anchor Containing a Self Deploying Mooring System and Method of Automatically Deploying the Mooring System from the Anchor, identified as Attorney Docket No. RTN-423PUS, and Client Case No. 07E235/US/BAS, which application was executed on September 5, 2008, September 8, 2008, September 9, 2008, September 7, 2008, September 13, 2008, September 5, 2008, September 8, 2008, and assigned Application No. 12/207,762. In the event that the execution date, filing date and/or Application No. are not entered above or are incorrect at the time we executed this document, and if such information is deemed necessary, we hereby authorize and request our attorneys at Daly, Crowley, Mofford & Durkee, LLP, 354A Turnpike Street, Suite 301A, Canton, MA 02021-2714, to insert above the execution date, filing date and/or Application No. of said application.

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

1

Client Case No.: 07E235/US/BAS

- 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 under seal on the date indicated next to each of our respective names.

State or Commonwealth of	
County	
Dated	
	Thomas S. Wiggin
me known and known to me as the p	, 2008, before me appeared Thomas S. Wiggin, to erson described in and who executed the foregoing d the same to be his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public

State or Commonwealth of	
County	
Dated	
	David A. Sharp
On this day of known and known to me as the persor and he/she acknowledged the same to	, 2008, before me appeared David A. Sharp, to me a described in and who executed the foregoing instrument, be his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public
State or Commonwealth of	
County	
Dated	
	Marc A. Brown
On this day of known and known to me as the person and he/she acknowledged the same to	, 2008, before me appeared Marc A. Brown, to me described in and who executed the foregoing instrument, be his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public

State or Commonwealth of	_
County	
Dated	
	Christopher C. Mello
On this day of, 200 to me known and known to me as the person descriinstrument, and he/she acknowledged the same to be	08, before me appeared Christopher C. Mello, bed in and who executed the foregoing the his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public
State or Commonwealth of WUNCOLUN County Wash Luch Dated 9/23/08	the Shiff
	Frank H. Hitzke
and he/she acknowledged the same to be his/her free	8, before me appeared Frank H. Hitzke, to me and who executed the foregoing instrument, e act and deed.
(seal)	Notary Public Deby CA Sandstrom Printed Name of Notary Public

State or Commonwealt	th of	
County		
Dated		
		David A. Giroux
me known and known	to me as the perse	, 2008, before me appeared David A. Giroux, to on described in and who executed the foregoing ne same to be his/her free act and deed.
		Notary Public
(seal)		Printed Name of Notary Public

Date	Douglas L. Veilleux II
Commonwealth of Massachusetts County of SS.	
County of \int Ss.	
On this the day of Month	_, 2008, before me,,
the undersigned Notary Public, personally a	
proved to me through satisfactory evidence	of identity, which was/were
(Description	on of Evidence of Identity)
	he preceding document, and acknowledged to me that
he/she signed it voluntarily for this stated pu	rpose.
	Signature of Notary Public
	Printed Name of Notary Public
Place Notary Seal and/or Any Stamp Above	My Commission Expires

State or Commonwealth of	
County	
Dated	
	Emily J. Pikor
On this day of, 20 known and known to me as the person described i and he/she acknowledged the same to be his/her fi	008, before me appeared Emily J. Pikor, to me n and who executed the foregoing instrument, ree act and deed.
	Notary Public
(seal)	Printed Name of Notary Public
State or Commonwealth of	
Dated	
	Edward M. Gaboriault Jr.
On this day of, 20 Jr., to me known and known to me as the person do instrument, and he/she acknowledged the same to	08, before me appeared Edward M. Gaboriault escribed in and who executed the foregoing be his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public

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ASSIGNMENT

Whereas we, the undersigned, Thomas S. Wiggin, David A. Sharp, Marc A. Brown, Christopher C. Mello, Frank H. Hitzke, David A. Giroux, Douglas L. Veilleux II, Emily J. Pikor, and Edward M. Gaboriault Jr. hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled Anchor Containing a Self Deploying Mooring System and Method of Automatically Deploying the Mooring System from the Anchor, identified as Attorney Docket No. RTN-423PUS, and Client Case No. 07E235/US/BAS, which application was executed on September 5, 2008, September 8, 2008, September 9, 2008, September 7, 2008, September 13, 2008, September 5, 2008, September 8, 2008, and September 5, 2008 (respectively) and filed on September 10, 2008, and assigned Application No. 12/207,762. In the event that the execution date, filing date and/or Application No. are not entered above or are incorrect at the time we executed this document, and if such information is deemed necessary, we hereby authorize and request our attorneys at Daly, Crowley, Mofford & Durkee, LLP, 354A Turnpike Street, Suite 301A, Canton, MA 02021-2714, to insert above the execution date, filing date and/or Application No. of said application.

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

1

Client Case No.: 07E235/US/BAS

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 under seal on the date indicated next to each of our respective names.

State or Commonwealth of	
County	
Dated	
	Thomas S. Wiggin
me known and known to me as the pe	, 2008, before me appeared Thomas S. Wiggin, to erson described in and who executed the foregoing I the same to be his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public

State or Commonwealth of	
County	
Dated	
	David A. Sharp
On this day of known and known to me as the person descri and he/she acknowledged the same to be his/	, 2008, before me appeared David A. Sharp, to me bed in and who executed the foregoing instrument, her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public
State or Commonwealth of	
County	
Dated	
	Marc A. Brown
On this day of known and known to me as the person descril and he/she acknowledged the same to be his/I	_, 2008, before me appeared Marc A. Brown, to me bed in and who executed the foregoing instrument, her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public

3

State or Commonwealth of	
County	
Dated	
	Christopher C. Mello
On this day of to me known and known to me as the per instrument, and he/she acknowledged the	, 2008, before me appeared Christopher C. Mello, son described in and who executed the foregoing same to be his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public
State or Commonwealth of	
County	
Dated	
·	Frank H. Hitzke
On this day of known and known to me as the person de and he/she acknowledged the same to be	, 2008, before me appeared Frank H. Hitzke, to me scribed in and who executed the foregoing instrument, his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public

PATENT ASSIGNMENT Atty. Dckt. No.: RTN-423PUS

Client Case No.: 07E235/US/BAS

State or Commonwealth of RHODE IS LAND	
County NEW PORT	
Dated 9/30/2008 January	A Soroux
David A. Gir	roux
me known and known to me as the person described in and who e instrument, and he/she acknowledged the same to be his/her/free:	act and deed. A. Muolu
Notary Publi	
	A A Maslar
(seal) Printed Name	e of Notary Public

LISA A. MASLAR NOTARY PUBLIC STATE OF RHODE ISLAND My Commission Expires August 4, 2010

Date	Douglas L. Veilleux II
Commonwealth of Massachusetts County of SS.	
County of	
On this the day of	, 2008, before me,,
the undersigned Notary Public, personally ap	
proved to me through satisfactory evidence of	of identity, which was/were
(Description	n of Evidence of Identity)
to be the person whose name is signed on the he/she signed it voluntarily for this stated pu	ne preceding document, and acknowledged to me that prose.
· · · · · · · · · · · · · · · · · · ·	Signature of Notary Public
	Printed Name of Notary Public
Place Notary Seal and/or Any Stamp Above	My Commission Expires

PATENT ASSIGNMENT

Atty. Dckt. No.: RTN-423PUS Client Case No.: 07E235/US/BAS

State or Commonwealth of	
County	
Dated	
	Emily J. Pikor
On this day of, 20 known and known to me as the person described in and he/she acknowledged the same to be his/her fr	08, before me appeared Emily J. Pikor, to me and who executed the foregoing instrument, ee act and deed.
	Notary Public
(seal)	Printed Name of Notary Public
State or Commonwealth of	
Dated	
	Edward M. Gaboriault Jr.
On this day of, 200 Jr., to me known and known to me as the person deinstrument, and he/she acknowledged the same to be	08, before me appeared Edward M. Gaboriault escribed in and who executed the foregoing be his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public

92600.doc

ASSIGNMENT

Whereas we, the undersigned, Thomas S. Wiggin, David A. Sharp, Marc A. Brown, Christopher C. Mello, Frank H. Hitzke, David A. Giroux, Douglas L. Veilleux II, Emily J. Pikor, and Edward M. Gaboriault Jr. hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled Anchor Containing a Self Deploying Mooring System and Method of Automatically Deploying the Mooring System From the Anchor, identified as Attorney Docket No. RTN-423PUS, and Client Case No. 07E235/US/BAS, which application was executed on September 5, 2008, September 8, 2008, September 9, 2008, September 7, 2008, September 13, 2008, September 5, 2008, September 5, 2008, and assigned Application No. 12/207,762. In the event that the execution date, filing date and/or Application No. are not entered above or are incorrect at the time we executed this document, and if such information is deemed necessary, we hereby authorize and request our attorneys at Daly, Crowley, Mofford & Durkee, LLP, 354A Turnpike Street, Suite 301A, Canton, MA 02021-2714, to insert above the execution date, filing date and/or Application No. of said application.

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 us, receipt and sufficiency of which we hereby acknowledge, we 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;

PATENT REEL: 021866 FRAME: 0376

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 under seal on the date indicated next to each of our respective names.

State or Commonwealth	of
County	-
Dated	·
	Thomas S. Wiggin
me known and known to	of, 2008, before me appeared Thomas S. Wiggin, to me as the person described in and who executed the foregoing cknowledged the same to be his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public

PATENT ASSIGNMENT Atty. Dckt. No.: RTN-423PUS

State or Commonwealth of	
County	
Dated	
	David A. Sharp
On this day of known and known to me as the pers and he/she acknowledged the same	, 2008, before me appeared David A. Sharp, to me on described in and who executed the foregoing instrument, to be his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public
State or Commonwealth of	
County	
Dated	
	Marc A. Brown
On this day of known and known to me as the perso and he/she acknowledged the same t	, 2008, before me appeared Marc A. Brown, to me on described in and who executed the foregoing instrument, to be his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public

PATENT ASSIGNMENT Atty. Dckt. No.: RTN-423PUS

State or Commonwealth of Rhode Soland	_
County Newport	
Dated <u>9-9-2008</u>	Christopher C. Mello
On this M day of <u>fatember</u> , 200 to me known and known to me as the person descriinstrument, and he/she acknowledged the same to be	08, before me appeared Christopher C. Mello, bed in and who executed the foregoing be his/her free act and deed.
	Delined Styl
	Notary Public
(seal)	SILUIA A STYLES Printed Name of Notary Public Flam expus 9-6-2012
(Sul)	7. Mrn Expus 9-6-3012
State or Commonwealth of	_
County	
Dated	
	Frank H. Hitzke
On this day of, 200 known and known to me as the person described in and he/she acknowledged the same to be his/her fre	28, before me appeared Frank H. Hitzke, to me and who executed the foregoing instrument, e act and deed.
	Notary Public
(seal)	Printed Name of Notary Public

PATENT ASSIGNMENT Atty. Dckt. No.: RTN-423PUS

State or Commonwealth of	
County	
Dated	
	David A. Giroux
me known and known to me as the pe	, 2008, before me appeared David A. Giroux, to erson described in and who executed the foregoing d the same to be his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public

Date	Douglas L. Veilleux II
Commonwealth of Massachusetts	
County of SS.	
On this the day of	, 2008, before me,
the undersigned Notary Public, personally ap	
proved to me through satisfactory evidence of	of identity, which was/were
(Description	n of Evidence of Identity)
to be the person whose name is signed on the he/she signed it voluntarily for this stated pu	ne preceding document, and acknowledged to me that rpose.
	Signature of Notary Public
	Printed Name of Notary Public
Place Notary Seal and/or Any Stamp Above	My Commission Expires

PATENT ASSIGNMENT Atty. Dckt. No.: RTN-423PUS

Client Case No.: 07E235/US/BAS

State or Commonwealth of	_
County	
Dated	
	Emily J. Pikor
On this day of, 200 known and known to me as the person described in and he/she acknowledged the same to be his/her free	08, before me appeared Emily J. Pikor, to me and who executed the foregoing instrument, se act and deed.
	Notary Public
(seal)	Printed Name of Notary Public
State or Commonwealth of	
County	
Dated	
	Edward M. Gaboriault Jr.
On this day of, 200 Jr., to me known and known to me as the person de instrument, and he/she acknowledged the same to b	8, before me appeared Edward M. Gaboriault scribed in and who executed the foregoing e his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public

92600.doc

ASSIGNMENT

Whereas we, the undersigned, Thomas S. Wiggin, David A. Sharp, Marc A. Brown, Christopher C. Mello, Frank H. Hitzke, David A. Giroux, Douglas L. Veilleux II, Emily J. Pikor, and Edward M. Gaboriault Jr. hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled Anchor Containing a Self Deploying Mooring System and Method of Automatically Deploying the Mooring System from the Anchor, identified as Attorney Docket No. RTN-423PUS, and Client Case No. 07E235/US/BAS, which application was executed on September 5, 2008, September 8, 2008, September 9, 2008, September 7, 2008, September 13, 2008, September 5, 2008, September 5, 2008, September 5, 2008, and assigned Application No. 12/207,762. In the event that the execution date, filing date and/or Application No. are not entered above or are incorrect at the time we executed this document, and if such information is deemed necessary, we hereby authorize and request our attorneys at Daly, Crowley, Mofford & Durkee, LLP, 354A Turnpike Street, Suite 301A, Canton, MA 02021-2714, to insert above the execution date, filing date and/or Application No. of said application.

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 us, receipt and sufficiency of which we hereby acknowledge, we 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;

1

PATENT ASSIGNMENT Atty. Dckt. No.: RTN-423PUS

Client Case No.: 07E235/US/BAS

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 under seal on the date indicated next to each of our respective names.

State or Commonwealth of	
County	
Dated	
	Thomas S. Wiggin
me known and known to me as the per	, 2008, before me appeared Thomas S. Wiggin, to rson described in and who executed the foregoing the same to be his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public

State or Commonwealth of	
County	
Dated	
	David A. Sharp
On this day of known and known to me as the person de- and he/she acknowledged the same to be I	, 2008, before me appeared David A. Sharp, to me scribed in and who executed the foregoing instrument, his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public
State or Commonwealth of	
County	
Dated	Marc A. Brown
On this day of known and known to me as the person des and he/she acknowledged the same to be h	, 2008, before me appeared Marc A. Brown, to me scribed in and who executed the foregoing instrument, his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public

State or Commonwealth of	
County	
Dated	
	Christopher C. Mello
On this day of to me known and known to me as the pers instrument, and he/she acknowledged the	, 2008, before me appeared Christopher C. Mello, on described in and who executed the foregoing same to be his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public
State or Commonwealth of	
County	
Dated	
	Frank H. Hitzke
On this day of known and known to me as the person deso and he/she acknowledged the same to be h	, 2008, before me appeared Frank H. Hitzke, to me cribed in and who executed the foregoing instrument, is/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public

State or Commonwealth of	
County	
Dated	
	David A. Giroux
me known and known to me as	, 2008, before me appeared David A. Giroux, to the person described in and who executed the foregoing ledged the same to be his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public

9/5/08	Dy Villy I
Date '	Douglas L. Veilleux II
Commonwealth of Massachusetts County of Jymauth SS.	
County of <u>flymouth</u>	
On this the 5th day of September, 200	8, before me, JUSTINE C. CONTE
the undersigned Notary Public, personally appear	red <u>Douglas L. Veilleux II</u> Name of Inventor
proved to me through satisfactory evidence of ide	
MASS. DRIVERS LIC (Description of Evi	idence of Identity)
to be the person whose name is signed on the pre he/she signed it voluntarily for this stated purpose	eceding document, and acknowledged to me that
Place Notary Seal and/or Any Stamp Above	My Commission Expires



Client Case No.: 07E235/US/BAS

State or Commonwealth of	
County	
Dated	
	Emily J. Pikor
On this day of, 20 known and known to me as the person described i and he/she acknowledged the same to be his/her fi	008, before me appeared Emily J. Pikor, to me n and who executed the foregoing instrument, ree act and deed.
	Notary Public
(seal)	Printed Name of Notary Public
State or Commonwealth of	
Dated	
	Edward M. Gaboriault Jr.
On this day of, 20 Jr., to me known and known to me as the person do instrument, and he/she acknowledged the same to	08, before me appeared Edward M. Gaboriault escribed in and who executed the foregoing be his/her free act and deed.
	Notary Public
(seal)	Printed Name of Notary Public
92600.doc	

7

RECORDED: 11/20/2008

PATENT REEL: 021866 FRAME: 0389