

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	MERGER	
EFFECTIVE DATE:	12/31/2011	
CONVEYING PARTY DATA		
Name		Execution Date
Raytheon UTD Inc.		12/16/2011
RECEIVING PARTY DATA		
Name:	Raytheon Company	
Street Address:	870 Winter Street	
City:	Waltham	
State/Country:	MASSACHUSETTS	
Postal Code:	02451-1449	
PROPERTY NUMBERS Total: 21		
Property Type	Number	
Application Number:	10919271	
Application Number:	11501826	
Application Number:	11699347	
Application Number:	12190452	
Application Number:	12906443	
Patent Number:	5193628	
Patent Number:	5417082	
Patent Number:	5641027	
Patent Number:	5785357	
Patent Number:	6382583	
Patent Number:	6578679	
Patent Number:	7637161	
Patent Number:	7814822	
Patent Number:	8018382	

CH \$840.00 10919271

Patent Number:	8072220
Application Number:	12554527
Application Number:	12757251
Application Number:	12881661
Application Number:	12902438
Patent Number:	8058875
Patent Number:	7584808

# CORRESPONDENCE DATA

Fax Number: (781)522-6465

Phone: 781-522-3051

Email: kate\_e\_emerson@raytheon.com

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.*

Correspondent Name: Kate Emerson c/o Raytheon Company

Address Line 1: 870 Winter Street

Address Line 4: Waltham, MASSACHUSETTS 02451

ATTORNEY DOCKET NUMBER:

UTD ASSIGNMENTS

NAME OF SUBMITTER:

Kate Emerson

# Total Attachments: 7

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# Delaware

PAGE 1

*The First State*

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"RAYTHEON UTD INC.", A VIRGINIA CORPORATION,

WITH AND INTO "RAYTHEON COMPANY" UNDER THE NAME OF "RAYTHEON COMPANY", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE SIXTEENTH DAY OF DECEMBER, A.D. 2011, AT 11:02 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF OWNERSHIP IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2011, AT 11:59 O'CLOCK P.M.

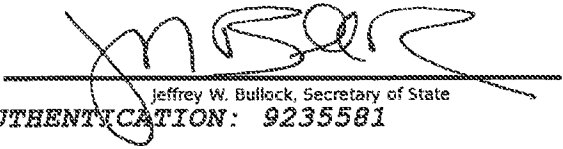
A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

0472015 8100M

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You may verify this certificate online  
at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)

  
Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 9235581

DATE: 12-16-11

PATENT  
REEL: 027515 FRAME: 0786

CERTIFICATE OF OWNERSHIP AND MERGER

OF

RAYTHEON UTD INC.  
(a Virginia corporation)

INTO

RAYTHEON COMPANY  
(a Delaware corporation)

It is hereby certified that:

1. Raytheon Company (the "Corporation") is a business corporation of the State of Delaware.
2. The Corporation is the owner of all of the outstanding shares of the stock of Raytheon UTD Inc., a business corporation of the Commonwealth of Virginia.
3. Pursuant to resolution of the Board of Directors of the Corporation (the "Raytheon Board") and delegation of authority by the Raytheon Board to Raytheon management, the following actions were adopted on December 16, 2011 to merge Raytheon UTD Inc. into the Corporation:

That the Agreement and Plan of Liquidation and Merger attached hereto as Exhibit A merging Raytheon UTD Inc. ("UTD") into the Corporation, be, and it hereby is, adopted and that all of the estate, property, rights, privileges, powers, and franchises of UTD be vested in and held and enjoyed by the Corporation as fully and entirely and without change or diminution as the same were before held and enjoyed by UTD in its name.

That the Corporation assume all of the obligations of UTD.

That the Corporation shall cause to be executed and filed and/or recorded the documents prescribed by the laws of the Commonwealth of Virginia and the State of Delaware and by the laws of any other appropriate jurisdiction, and will cause to be performed all necessary acts within the jurisdictions of organization of the Corporation and UTD and in any other appropriate jurisdiction.

That the term Authorized Officers as used herein include, together and singly, all officers of the Corporation and that any officer of the Corporation be, and each of them acting singly hereby is, authorized, empowered, and directed, without limitation, in the name and on behalf of the Corporation and under its

corporate seal, if desired, attested by an appropriate officer, if desired, from time to time to: (1) make, sign, execute, acknowledge, deliver, file, record and publish any and all orders, directions, requests, receipts, certificates or other instruments, papers and documents; and (2) perform any and all such acts and things as may be required or appropriate to carry out the terms and provisions of each of the foregoing resolutions and the transactions contemplated thereby (all such actions taken to date by any of the aforesaid Authorized Officers of the Corporation be, and they hereby are, ratified, affirmed and approved).

4. The effective time of this Certificate of Ownership and Merger shall be as of 11:59PM on December 31, 2011.

Executed on December 16, 2011.

RAYTHEON COMPANY

By: /s/ Brooke M. Bartleson  
Brooke M. Bartleson  
Assistant Secretary

COMMONWEALTH OF VIRGINIA  
STATE CORPORATION COMMISSION

*Jan* ARTICLES OF MERGER OF *Jan*  
RAYTHEON UTD INC. and RAYTHEON COMPANY

The undersigned, on behalf of the corporations set forth below, pursuant to Title 13.1, Chapter 9, Article 12 of the Code of Virginia, state as follows:

1. Raytheon UTD Inc., a Virginia corporation (the "Non-Surviving Corporation"), is hereby merged with and into Raytheon Company, a Delaware corporation ("Raytheon"), which shall be the surviving corporation upon the effective date of the merger.

2. The terms of the Agreement and Plan of Merger are as follows:

The Non-Surviving Corporation and Raytheon shall, pursuant to the provisions of the Code of Virginia and the General Corporation Law of the State of Delaware and the Code of Virginia, be merged with and into a single corporation, to wit, Raytheon, which shall be the surviving corporation upon the effective date of the merger (sometimes hereinafter referred to as the "Surviving Corporation"), and which shall continue to exist as said Surviving Corporation under its present name pursuant to the provisions of the laws of its jurisdiction of its organization. The separate existence of the Non-Surviving Corporation shall cease at the effective time and date of the merger in accordance with the provisions of the Code of Virginia.

The merger of the Non-Surviving Corporation into the Surviving Corporation shall be effective at 11:59PM on December 31, 2011 (the "Effective Date").

The certificate of incorporation of Raytheon at the Effective Date of the merger in the jurisdiction of its organization shall be the certificate of incorporation of the Surviving Corporation; and said certificate of incorporation shall continue in full force and effect until amended and changed in the manner prescribed by the provisions of the laws of the jurisdiction of organization of the Surviving Corporation.

The by-laws of Raytheon at the Effective Date of the merger in the jurisdiction of its organization will be the by-laws of the Surviving Corporation and will continue in full force and effect until changed, altered, or amended as therein provided and in the manner prescribed by the provisions of the laws of the jurisdiction of its organization.

The directors and officers of Raytheon at the Effective Date of the merger in the jurisdiction of its organization shall continue on as directors and officers of the Surviving Corporation, all of whom shall hold their directorships and offices until the election and qualification of their respective successors or until their tenure is otherwise terminated in accordance with the by-laws of the Surviving Corporation.

Each issued share of the Non-Surviving Corporation immediately prior to the Effective Date of the merger shall, at the Effective Date of the merger, be cancelled without payment of any consideration therefor and without any conversion thereof. The issued shares of the Surviving Corporation shall not be converted in any manner, but each said share which is issued as of the Effective Date of the merger shall continue to represent one issued share of the Surviving Corporation.

The Agreement and Plan of Liquidation and Merger herein made and approved and the merger of the Non-Surviving Corporation with and into the Surviving Corporation shall be authorized in the manner prescribed by the laws of the jurisdictions of organization of the Surviving Corporation and the Non-Surviving Corporation.

In the event that the Agreement and Plan of Liquidation and Merger and the merger of the Non-Surviving Corporation with and into the Surviving Corporation shall have been duly authorized in compliance with the laws of the jurisdictions of organization of the Surviving Corporation and the Non-Surviving Corporation, the Non-Surviving Corporation and the Surviving Corporation hereby stipulate that they will cause to be executed and filed and/or recorded any document or documents prescribed by the laws of the Code of Virginia and the

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General Corporation Law of the State of Delaware and that they will cause to be performed all necessary acts therein and elsewhere to effectuate the merger.

The Board of Directors and the proper officers of the Non-Surviving Corporation and of the Surviving Corporation, respectively, are hereby authorized, empowered, and directed to do any and all acts and things, and to make, execute, deliver, file, and/or record any and all instruments, papers and documents which shall be or become necessary, proper, or convenient to carry out or put into effect any of the provisions of this Agreement and Plan of Liquidation and Merger or of the merger herein provided for.

3. The Agreement and Plan of Merger was approved by unanimous consent of the shareholders of the Non-Surviving Corporation on December 16, 2011 and pursuant to resolution of the Board of Directors of Raytheon (the "Raytheon Board") and delegation of authority by the Raytheon Board to Raytheon management.

4. Raytheon certifies that its participation in the merger was duly authorized as required by the law of the State of Delaware.

Executed in the name of Raytheon UTD Inc. by:

Brooks M. Bartleson  
\_\_\_\_\_  
Brooks M. Bartleson  
\_\_\_\_\_  
SCC ID no. 01775261

December 16, 2011  
\_\_\_\_\_  
Assistant Secretary

Executed in the name of Raytheon Company by:

Brooks M. Bartleson  
\_\_\_\_\_  
Brooks M. Bartleson  
\_\_\_\_\_  
SCC ID no. F0563991

December 16, 2011  
\_\_\_\_\_  
Assistant Secretary

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COMMONWEALTH OF VIRGINIA  
STATE CORPORATION COMMISSION

AT RICHMOND, DECEMBER 16, 2011

The State Corporation Commission finds the accompanying articles submitted on behalf of

RAYTHEON COMPANY

comply with the requirements of law and confirms payment of all required fees. Therefore, it is  
~~ORDERED that this~~

CERTIFICATE OF MERGER

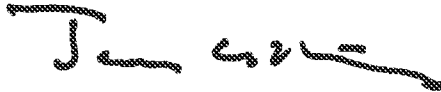
be issued and admitted to record with the articles of merger in the Office of the Clerk of the  
Commission, effective December 31, 2011, at 11:59 PM. Each of the following:

Raytheon UTD Inc.

is merged into RAYTHEON COMPANY, which continues to exist under the laws of DELAWARE  
with the name RAYTHEON COMPANY, and the separate existence of each non-surviving entity  
ceases.

STATE CORPORATION COMMISSION

By



James C. Dimitri  
Commissioner

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11-12-16-1102

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# Commonwealth of Virginia



## State Corporation Commission

*I Certify the Following from the Records of the Commission:*

The foregoing is a true copy of the articles of merger filed in this office on December 16, 2011 by Raytheon UTD Inc. effective as of December 31, 2011.

Nothing more is hereby certified.



*Signed and Sealed at Richmond on this Date:  
December 19, 2011*

*Joel H. Peck*

*Joel H. Peck, Clerk of the Commission*

CIS0502

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RECORDED: 01/11/2012

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