

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Kamal Tabatabaie	11/02/2006
Robert B. Hallock	11/02/2006
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:	11557354
CORRESPONDENCE DATA	
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	781-401-9988
Email:	pam@dc-m.com
Correspondent Name:	Donald F. Mofford
Address Line 1:	354A Turnpike Street
Address Line 2:	Suite 301A
Address Line 4:	Canton, MASSACHUSETTS 02021-2714
ATTORNEY DOCKET NUMBER:	RTN2-192PUS
NAME OF SUBMITTER:	Donald F. Mofford

Total Attachments: 4  
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## A S S I G N M E N T

Whereas we, the undersigned, Kamal Tabatabaie and Robert B. Hallock hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled ATOMIC LAYER DEPOSITION IN THE FORMATION OF GATE STRUCTURES FOR III-V SEMICONDUCTOR, identified as Attorney Docket No. RTN2-192PUS and Client Case No. 06E065/US/ESR which application was executed on November 2, 2006; November 2, 2006, and filed on November 7, 2006 and Assigned Application No. 11/557,354. In the event that the execution date, filing date and/or Application No. are not entered above 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, Massachusetts 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;

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

11/2/06  
Date

Kamal Tabatabaie  
Kamal Tabatabaie  
P.D. K.T.A  
11-2-06

Commonwealth of Massachusetts }  
County of Middlesex } SS.

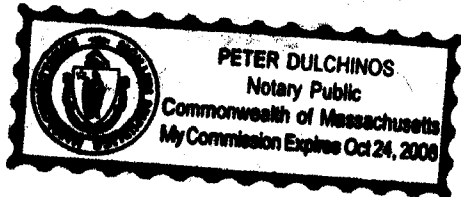
On this the 2nd day of November, 2006, before me, Peter Dulchinov,  
Day Month Name of Notary

the undersigned Notary Public, personally appeared Kamal Tabatabaie,  
Name of Inventor

proved to me through satisfactory evidence of identity, which was/were personal

knowledge  
(Description of Evidence of Identity)

to be the person whose name is signed on the preceding document, and acknowledged to me that he/she signed it voluntarily for this stated purpose.



Peter Dulchinov  
Signature of Notary Public

Peter Dulchinov  
Printed Name of Notary Public

Place Notary Seal and/or Any Stamp Above

My Commission Expires Oct. 24, 2008

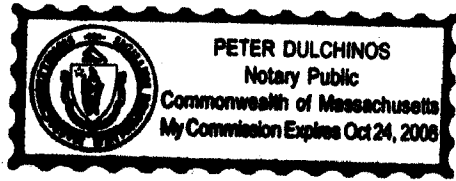
11/2/06  
Date

Robert B. Hallock  
Robert B. Hallock

Commonwealth of Massachusetts }  
County of Middlesex } SS.

On this the 2nd day of November, 2006, before me, Peter Dulchinios,  
Day Month Name of Notary  
the undersigned Notary Public, personally appeared Robert B. Hallock,  
Name of Inventor  
proved to me through satisfactory evidence of identity, which was/were personal  
knowledge  
(Description of Evidence of Identity)

to be the person whose name is signed on the preceding document, and acknowledged to me that he/she signed it voluntarily for this stated purpose.



Peter Dulchinios  
Signature of Notary Public

Peter Dulchinios  
Printed Name of Notary Public

Place Notary Seal and/or Any Stamp Above

My Commission Expires Oct. 24, 2008

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