

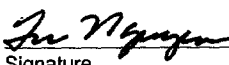
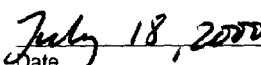
08-21-2000

Substitute Form PTO-1595
 Attorney Docket No.: 07206-047001
 Client's Ref. No.: 36827



RECORD 101438208
 PATENTS ONLY

7-24-00

Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): William E. Hoke and Katerina Y. Hur Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Raytheon Company 141 Spring Street Lexington, MA 02421 Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: 06/14/2000 and 06/19/2000	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s): 09/504,660 B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: RICHARD M. SHARKANSKY Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additionally charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> Tu N. Nguyen Reg. No. 42,934 Name of Person Signing  Signature  Date	
Total number of pages including coversheet, attachments and document: 7	

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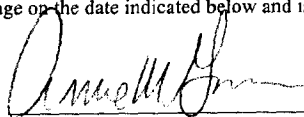
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CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner of Patents, Washington, D.C. 20231.

July 18, 2000
 Date of Deposit


 Signature

Anne M. Guerra
 Typed Name of Person Signing Certificate

PATENT
 REEL: 011002 FRAME: 0307

ASSIGNMENT

For valuable consideration, we, WILLIAM E. HOKE of Andover, Massachusetts and KATERINA Y. HUR of Sunnyvale, California hereby assign to Raytheon Company, a Delaware corporation having a place of business at: 141 Spring Street, Lexington, MA 02421-7899 and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled DOUBLE RECESSED TRANSISTOR, filed February 14, 2000, and assigned U.S. Serial Number 09/504,660, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Andover, MA,
this 14th day of June of, 2000
William E. Hoke L.S.
WILLIAM E. HOKE

State of Massachusetts :
: ss.
County of Middlesex :

Before me this 14th day of June, 2000, personally
appeared WILLIAM E. HOKE known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

Peter Dulchinos
Notary Public Peter Dulchinos
My Commission Expires: Nov. 9, 2001

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
this _____ day _____ of, 20_____

KATERINA Y. HUR L.S.

State of _____ :
: ss.
County of _____ :

Before me this _____ day of _____, 20_____, personally
appeared KATERINA Y. HUR known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

Notary Public
My Commission Expires:

[Notary's Seal Here]

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ASSIGNMENT

For valuable consideration, we, WILLIAM E. HOKE of Andover, Massachusetts and KATERINA Y. HUR of Sunnyvale, California hereby assign to Raytheon Company, a Delaware corporation having a place of business at: 141 Spring Street, Lexington, MA 02421-7899 and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled DOUBLE RECESSED TRANSISTOR, filed February 14, 2000, and assigned U.S. Serial Number 09/504,660, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
this _____ day _____ of, 20_____

WILLIAM E. HOKE L.S.

State of _____ :
: ss.
County of _____ :

Before me this _____ day of _____, 20_____, personally
appeared WILLIAM E. HOKE known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

Notary Public

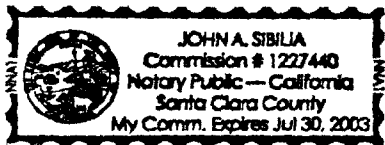
My Commission Expires:

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Sunnyvale, CA,
this 19th day of June, 2000
Katerina Y. Hur L.S.
KATERINA Y. HUR

State of CALIFORNIA :
: ss.
County of SANTA CLARA :

Before me this 19th day of JUNE, 2000, personally
appeared KATERINA Y. HUR known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that ^{she} executed the same as ^{her} free act and deed for
the purposes therein contained.



John A. Sibilja
Notary Public
My Commission Expires: 7-30-03

[Notary's Seal Here]

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