

Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 8/30/2005) Tab settings		Atty Dkt No.: RTN-220AUS	
RECORDATION FORM COVER SHEET PATENTS ONLY		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.			
1. Name of conveying party(ies): Po-Hsin Hsu Mohinder S. Grewal Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies) Name: Raytheon Company Internal Address: Street Address: 870 Winter Street City: Waltham State: MA Zip: 02451 Additional name(s) & address(es) 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: 4-7-05; 5-23-05			
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) 11/063,782 B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Daly, Crowley, Mofford & Durkee, LLP Internal Address: Street Address: 354A Turnpike Street, Suite 301A City: Canton State: MA Zip: 02021-2714		6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41).....\$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 500845 (Attach duplicate copy of this page if paying by deposit account)	
DO NOT USE THIS SPACE			
9. Statement and signature. 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. Paul D. Durkee 41,003 Name of Person Signing Signature Date 25 May 05 Total number of pages including cover sheet, attachments, and documents: 5			

Mail documents to be recorded with required cover sheet information to:
MS Assignment Recordation Services, Director of the U.S. Patent and Trademark Office,
P. O. Box 1450, Alexandria, VA 22313-1450

CH \$40.00 500845 11063782

PATENT

A S S I G N M E N T

Whereas we, the undersigned, Po-Hsin Hsu and Mohinder S. Grewal, hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled METHOD AND APPARATUS FOR WIDE AREA AUGMENTATION SYSTEM HAVING GEO UPLINK SUBSYSTEM WITH ENHANCED CLOCK STEERING, identified as Attorney Docket No. RTN-220AUS and Client Case No. 04W020 which application was executed on February 22, 2005; February 22, 2005 and filed on February 23, 2005 and Assigned Application No. 11/063,782. 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 & Durkue, LLP, 275 Turnpike Street, Suite 101, Canton, MA 02021-2310, 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, 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;

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;

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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.

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4/7/05

Date

Po-Hsin Hsu
Po-Hsin Hsu

State of California

County of ORANGE

} SS.

On 7 APRIL, 2005 before me, HELEN E. WHITTAKER-DEGEN,
Date Notary Publicpersonally appeared Po-Hsin Hsu,
Name of Signer

personally known to me

☒ proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) are subscribed to the within instrument and acknowledged to me that they executed the same in their authorized capacity(ies), and that by their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



Place Notary Seal and/or Any Stamp Above

WITNESS my hand and official seal.

Helen E. Whitaker-Degen
Signature of Notary Public

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 Application No.: 11/063,782
 Filed On: February 23, 2005
 Attorney Docket No.: RTN-220AUS

5/23/05
 Date

Mohinder S. Grewal
 Mohinder S. Grewal

State of California }
 County of ORANGE } SS.

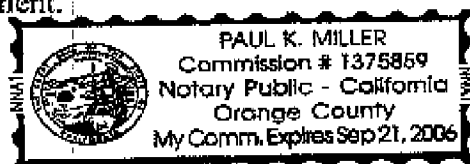
On 5/23, 2005 before me, Paul K. Miller
 Date Notary Public

personally appeared Mohinder S. Grewal,
 Name of Signer

☒ personally known to me

☐ proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) ^{is} subscribed to the within instrument and acknowledged to me that ^{he} ~~they~~ executed the same in ^{his} ~~their~~ authorized capacity(ies), and that by ^{his} ~~their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Paul K. Miller
 Signature of Notary Public

Place Notary Seal and/or Any Stamp Above

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