

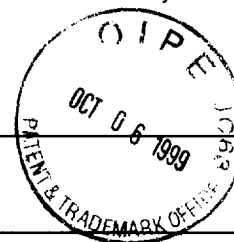
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Atty. Docket No. 3190-7002



To The Assistant Commissioner for Patents and Trademarks:
Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies):</p> <p>(1) Gary H. OGASAWARA 786 Gull Avenue Foster City, CA 94404</p> <p>(2) Timothy JU 1666 Ontario Drive #1 Sunnyvale, CA 94087</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: LOCKHEED MARTIN MISSILES & SPACE Address: Org. 26-01, Bldg. 101, Lockheed Way Sunnyvale, CA 94089-3504</p> <p>Additional name(s) & addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment</p> <p>Execution Date(s): March 25, 1998 & September 14, 1999</p>	<p>4. Patent Application number(s)</p> <p>A. Patent Application No. 08/953,424 B. Patent Nos.</p> <p>If this document is being filed together with a new application, the execution date(s) of the application is::</p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Edward A. Pennington, Esq. Address: Morgan & Finnegan LLP 345 Park Avenue New York, New York 10154</p>	<p>6. Total number of applications involved: 1</p> <p>7. Total fee (37 CFR 3.41): \$40.00</p> <p><input checked="" type="checkbox"/> Charge to Deposit Account No.: 13-4503, Order No. 3190-7002</p> <p><input checked="" type="checkbox"/> Charge any deficiencies to Deposit Account 13-4503. (A duplicate copy of this sheet is enclosed)</p>

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8. 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 original document.

Name of Person Signing

Edward A. Pennington

Edward A. Pennington, Reg. No. 32,588

Date: *Oct. 6, 1999*

10/12/1999 DNGUYEN 00000250 134503 00953424 pages including cover sheet, attachments and document: 3

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ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

Gary H. Ogasawara having an address of 786 Gull Avenue, Foster City, California 94404 and Timothy Ju

having an address of 1139 Amarillo Avenue, #2, Palo Alto, California 94303

(full name(s) and post office address(s) of inventor(s) (including country))

(hereinafter referred to as ASSIGNOR(S)), has made a discovery or invention entitled:

DECISION-THEORETIC SATELLITE COMMUNICATIONS SYSTEM

(title of discovery or invention)

☐ for which application for Letters Patent of the United States has been executed on even date herewith,

☒ for which application for Letters Patent of the United States has been filed on October 17, 1997, under Serial No. 08/953,424, and

WHEREAS:

Lockheed Martin Missiles and Space having an address of 1111 Lockheed Martin Way, P.O. Box 3504, 26-02/101, Sunnyvale, California 94089

(name and address of assignee)

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

NOW, THEREFORE, for god and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sells, assigns and transfers to ASSIGNEE, its successors, legal representatives and assigns, the full and exclusive right, title and interest to said discovery or invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

I, SAID ASSIGNOR(S), hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and any Official of any country or countries foreign to the United States of America whose duty it is to issue Letters Patent on applications as aforesaid, to issue all such Letters Patent for said discovery or invention to the ASSIGNEE, as assignee of the entire right, title and interest in, to and under the same, for the sole use and behoof of the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

I, SAID, ASSIGNOR(S), hereby covenant that I have full right to convey the entire right, title and interest herein sold, assigned, transferred and set over;

AND I, SAID ASSIGNOR(S) hereby further covenant and agree that the ASSIGNEE, its successors, legal representatives, or assigns, may apply for foreign Letters Patent on said discovery or invention and claim the benefits of the International Convention, and that I will, at any time, when called upon to do so by the ASSIGNEE, its successors, legal representatives, or assigns, communicate to the ASSIGNEE, its successors, legal representatives, or assigns, as the case may be, any facts known to me respecting said discovery or invention, and execute and deliver any and all lawful papers that may be necessary or desirable to perfect the title to the said discovery or invention, the said applications and the said Letters Patent in the ASSIGNEE, its successors, legal representatives and assigns, and that if reissues of the said Letters Patent or disclaimers relating thereto, or divisions, continuations, or refilings of the said applications, or any thereof, shall hereafter be desired by the ASSIGNEE, its successors, legal representatives, or assigns, I will, at any time, when called upon to do so by the ASSIGNEE its successors, legal representatives, or assigns, sign all lawful papers, make all rightful oaths, execute and deliver all such disclaimers and all divisional, continuation and reissue applications so desired, and do all lawful acts requisite for the application for such reissues and the procuring thereof and for the filing of such disclaimers and such applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention or discovery in all countries, all without further compensation but at the expense of the ASSIGNEE, its successors, legal representatives and assigns.

Assignor's signature: _____

Gary H. Ogasawara

Citizenship: U.S.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal this 25 day of March, 1998.

STATE OF California)
 SS.:
 COUNTY OF Santa Clara

On this 25 day of March, 1998, before me, the undersigned authority, personally appeared to me known and known to me to be the individual who is described in and who executed the foregoing Assignment, and who duly acknowledged to me that he executed the same as his own voluntary act and deed for the uses and purposed therein specified.

Sharon L. Hawkins
 Notary Public



Assignor's signature: _____ Timothy Ju

Citizenship: U.S.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal this ____ day of _____, 19____.

STATE OF)
)
) SS.:
COUNTY OF)

On this ____ day of _____, 19____, before me, the undersigned authority, personally appeared to me known and known to me to be the individual who is described in and who executed the foregoing Assignment, and who duly acknowledged to me that he executed the same as his own voluntary act and deed for the uses and purposed therein specified.

Notary Public

Assignor's signature: _____

First name	Middle initial	Last name

Citizenship: _____

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal this ____ day of _____, 19____.

STATE OF)
)
) SS.:
COUNTY OF)

On this ____ day of _____, 19____, before me, the undersigned authority, personally appeared to me known and known to me to be the individual who is described in and who executed the foregoing Assignment, and who duly acknowledged to me that he executed the same as his own voluntary act and deed for the uses and purposes therein specified.

Notary Public

FORM: ASSIGN.PAT
Rev. 10/04/94

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

Gary H. Ogasawara
786 Gull Avenue
Foster City, CA 94404

Timothy Ju
1666 Ontario Drive #1
Sunnyvale, CA 94087

(full name and post office address(s) of inventor(s) (including country))

(hereinafter referred to as ASSIGNOR(S)), has made a discovery or invention entitled:

DECISION-THEORETIC SATELLITE COMMUNICATIONS SYSTEM

(title of discovery or invention)

[] for which application for Letters Patent of the United States has been executed on even date herewith,

[X] for which application for Letters Patent of the United States has been filed on 10/17/97 ,
under Serial No. 08/953,424 _____, and

WHEREAS:

LOCKHEED MARTIN MISSILES & SPACE
Org. 26-01, Bldg. 101, 1111 Lockheed Way
Sunnyvale, CA 94089-3504

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR(S) of the sum of \$1.00 Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR(S) hereby sells, assigns and transfers to ASSIGNEE, its successors, legal representatives and assigns, the full and exclusive right, title and interest to said discovery or invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

I, SAID ASSIGNOR(S), hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and any Official of any country or countries foreign to the United States of America whose duty it

I, SAID, ASSIGNOR(S), hereby covenant that I have full right to convey the entire right, title and interest herein sold, assigned, transferred and set over;

AND I, SAID ASSIGNOR(S) hereby further covenant and agree that the ASSIGNEE, its successors, legal representatives, or assigns, may apply for foreign Letters Patent on said discovery or invention and claim the benefits of the International Convention, and that I will, at any time, when called upon to do so by the ASSIGNEE, its successors, legal representatives, or assigns, communicate to the ASSIGNEE, its successors, legal representatives, or assigns, as the case may be, any facts known to me respecting said discovery or invention, and execute and deliver any and all lawful papers that may be necessary or desirable to perfect the title to the said discovery or invention, the said applications and the said Letters Patent in the ASSIGNEE, its successors, legal representatives and assigns. and that if reissues of the said Letters Patent or disclaimers relating thereto, or divisions, continuations, or refilings of the said applications, or any thereof, shall hereafter be desired by the ASSIGNEE, its successors, legal representatives, or assigns, I will, at any time, when called upon to do so by the ASSIGNEE its successors, legal representatives, or assigns, sign all lawful papers, make all rightful oaths, execute and deliver all such disclaimers and all divisional, continuation and reissue applications so desired, and do all lawful acts requisite for the application for such reissues and the procuring thereof and for the filing of such disclaimers and such applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention or discovery in all countries, all without further compensation but at the expense of the ASSIGNEE, its successors, legal representatives and assigns.

Assignor's
Signature:

Gary H. Ogasawara

Citizenship: USA

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal this ____ day of _____, 1999

STATE OF)
)
) ss.:
COUNTY OF)

On this ____ day of _____, 19 99, before me, the undersigned authority, personally appeared to me known and known to me to be the individual who is described in and who executed the foregoing Assignment, and who duly acknowledged to me that he executed the same as his own voluntary act and deed for the uses and purposed therein specified.

Notary Public

Assignor's
Signature:

Timothy Ju

Citizenship:

USA

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal this ____ day of _____, 1999

STATE OF CALIFORNIA)

COUNTY OF SANTA CLARA)
SS.:

On this 14th day of Sept, 1999, before me, the undersigned authority, personally appeared to me known ~~and~~ ^{or} Proved to
~~known to me to be~~ the individual who is described in and who executed the foregoing Assignment, and who duly ~~acknowledged~~ ^{me by Satisfactory}
acknowledged to me that he executed the same as his own voluntary act and deed for the uses and purposed therein ^{evidence?}
specified.

Hima V. Modi

Notary Public

