



Case Nos.: NORTH- 205A

/A- 2122

FOAM PTO-1595 (Rev. 8-93) OMB No. 0651-0011 (exp. 4-94) Tab settings <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>		05-18-1998 		ET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
To the Honorable Commissioner		100713082		1 original documents or copy thereof.	
1. Name of conveying party(ies): Carl Andrew Reis Benjamin S. Wong 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: NORTHROP GRUMMAN CORPORATION Internal Address: Same as Below. Street Address: 1840 Century Park East City: Los Angeles State: CA ZIP: 90067-2199 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: April 14, 1998					
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: 4/14/98 A. Patent Application No.(s) 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: TERRY J. ANDERSON, ESQ. Name: NORTHROP GRUMMAN CORPORATION Internal Address: Same As Below. Street Address: 1840 Century Park East City: Los Angeles State: CA ZIP: 90067-2199		6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41).....\$ 40.00 (\$40.00 for each item listed) <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account (and any additional fees needed) 8. Deposit account number: 14-1325 (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. BRUCE B. BRUNDA Name of Person Signing  Signature 4/16/98 Date Total number of pages including cover sheet, attachments, and document: 10					

Mail documents to be recorded with required cover sheet information to:
 Commissioner of Patents & Trademarks, Box Assignments
 Washington, D.C. 20231

(Form PTO-1595—Recordation Form Cover Sheet [16-5]—page 1 of 1)

PATENT
 REEL: 9166 FRAME: 0921

U.S. PTO
 09/06/98
 04/17/98

05/13/1998 TSH00677 00000052 141325 09062544
 Sale Ref: 00000052 BAI: 141325 09062544
 01 FC:581 40.00 CN

4-17-98
 09/06/98

Practitioner's Docket No. NORTH- 205A /A- 2122**PATENT**For: ☒ U.S. and/or ☒ Foreign RightsFor: ☒ U.S. Application or☐ U.S. Provisional ApplicationFor: ☐ U.S. PatentFor: ☐ PCT Application

By: Multiple Inventors

ASSIGNMENT OF INVENTION (MULTIPLE INVENTORS)

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS (Inventors):Carl Andrew Reis

(type or print name of inventors)

Benjamin S. Wong18005 AtkinsonTorrance, CA 90504USA

Address

Nationality

954 Sunnyhill PlaceDiamond Bar, CA 91765USA

(Assignment of Invention—Multiple Inventors [16-3.2]—page 1 of 3)

PATENT**REEL: 9166 FRAME: 0922**

hereby sells, assigns and transfers to
ASSIGNEE:

NORTHROP GRUMMAN CORPORATION

1840 Century Park East

(type or print name of ASSIGNEE)

Address

a Delaware corporation

Los Angeles, CA 90067-2199

Nationality (or state of
incorporation)

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

- ☒ the entire right, title and interest
☐ an undivided _____ percent (____ %) interest

for the United States and its territorial possessions

(check the following box, if foreign rights are also to be assigned)

☒ and in all foreign countries, including all rights to claim priority
in and to any and all improvements which are disclosed in the invention entitled:

Z-PEEL SHEETS

(check and complete (a), (b), (c), (d), (e), (f), or (g))

and which is found in (37 C.F.R. § 3.21)

- (a) ☐ U.S. patent application executed on even date herewith
(b) ☐ U.S. patent application executed on _____
(c) ☐ U.S. provisional application naming the above inventor(s) for the above-entitled invention
☐ Express mail label no.: _____
Mailed: _____
☐ To comply with 37 C.F.R. § 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known.
(d) ☐ U.S. application no. _____ / _____ filed on _____
(e) ☐ International application no. PCT _____ / _____ / _____
filed on _____
(f) ☐ U.S. patent no. _____ issued _____
☐ A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(check (g), if foreign application(s) is also being assigned)

- (g) ☒ and any legal equivalent thereof in a foreign country, including the right to claim priority

(Assignment of Invention—Multiple Inventors [16-3.2]—page 2 of 3)

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this _____


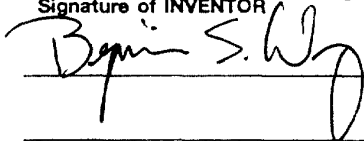
Date of signing

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

Carl Andrew Reis

(type name of inventor)

Benjamin S. Wong


Signature of INVENTOR


☒ Notarization or Legalization Page Added.

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution. 35 U.S.C. § 261. Use next page if notarization is desired.

(Assignment of Invention—Multiple Inventors [16-3.2]—page 3 of 3)

PATENT
REEL: 9166 FRAME: 0924

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

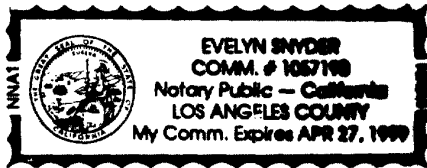
State of CALIFORNIA

County of LOS ANGELES

On APRIL 14, 1998 before me, EVELYN SNYDER, Notary Public

personally appeared BENJAMIN SHUN-TAK WONG

- ☐ personally known to me
☒ proved to me on the basis of satisfactory evidence



to be the person(s) whose name(s) ~~is/are~~ subscribed to the within instrument and acknowledged to me that ~~he/she/they~~ executed the same in ~~his/her/their~~ authorized capacity(ies), and that by ~~his/her/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.

Evelyn Snyder
 Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: ASSIGNMENT

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

- ☐ Individual
☐ Corporate Officer
 Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney-in-Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing: _____

**RIGHT THUMBPRINT
OF SIGNER**
 Top of thumb here

Signer's Name: _____

- ☐ Individual
☐ Corporate Officer
 Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney-in-Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

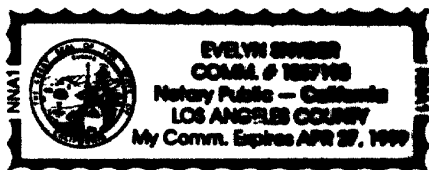
Signer Is Representing: _____

**RIGHT THUMBPRINT
OF SIGNER**
 Top of thumb here

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of CALIFORNIA
County of LOS ANGELES
On APRIL 14, 1998 before me, EVELYN SNYDER, NOTARY PUBLIC
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared CARL ANDREW REIS
Name(s) of Signer(s)

☐ personally known to me - OR - ☒ proved to me on the basis of satisfactory evidence to be the person/
whose name(s) is/are subscribed to the within instrument
and acknowledged to me that he/she/they executed the
same in his/her/their authorized capacity(ies), and that by
his/her/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.

Evelyn Snyder
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

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Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

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Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

- ☐ Individual
☐ Corporate Officer
Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney-in-Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing: _____

Signer's Name: _____

- ☐ Individual
☐ Corporate Officer
Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney-in-Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing: _____

RIGHT THUMBPRINT
OF SIGNER

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