

11-02-1999



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Please record the attached original document or copy thereof.

10335 U.S. PTO
09/31/99
08/12/99

1. Name of Party(ies) conveying an interest:

2. Name and Address of Party(ies) receiving an interest:

James Malon Rowe
John W. Stephenson

Northrop Grumman Corporation
1840 Century Park East
Los Angeles, CA 90067-2199

A Delaware Corporation

3. Description of the instrument of conveyance: ASSIGNMENT

4. This document is being filed together with a new application, the execution date of the application is:

8/9/99

Date

The title is: FLEXIBLE HIGHLY DURABLE TRANSPARENT OPTICAL COATINGS

5. Name and address of party to whom correspondence concerning document should be mailed:

Northrop Grumman Corporation
1840 Century Park East
M/S 60/110/N1-3
Los Angeles, CA 90067-2199

6. Number of applications/patents involved:

1

7. Amount of fee enclosed or authorized to be charged:

\$40.00

8. Deposit account number (Attach duplicate copy of this form if paying by deposit account:

14-1325

Supd

08/19/1999 TRADE1 00000055 141325 09372126

02 FC:561 40.00 CH

DO NOT USE THIS SPACE

9. Date of execution of attached document:

8/9/99

10. To the best of my knowledge and belief, the information contained on this coversheet is true and correct and any copy submitted is a true copy of the original document.

8/12/99

Date

B. B. Brunda

Bruce B. Brunda
Registration No. 28,497

Practitioner's Docket No. NORTH- 381A /A- 2217

PATENT

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231



**COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING
NEW PATENT APPLICATION (37 C.F.R. § 3.31)**

**IDENTIFICATION OF APPLICATION
(37 C.F.R. § 3.21 and 37 C.F.R. § 3.31(a)(4))**

1. The patent application provisional patent application filed herewith and, to which the attached assignment (document) refers, is identified as follows:

- a. Type of application
 - Application of patent (37 C.F.R. § 1.53(b))
 - Continued prosecution (nonprovisional) application (37 C.F.R. § 1.53(d))
 - Provisional application (37 C.F.R. § 1.53(c))
 - International application (37 C.F.R. § 1.431)

b. Date of execution: 8/9/99

NOTE: Leave this blank if assignment is for a provisional application.

- c. Name of each inventor:
 - 1: James Malon Rowe
 - 2: John W. Stephenson
 - 3:

d. Title of invention: Flexible Highly Durable Transparent Optical Coatings

CERTIFICATION UNDER 37 C.F.R. § 1.10*
(Express Mail label number is mandatory.)
(Express Mail certification is optional.)

I hereby certify that this "Cover Sheet For Assignment (Document) Accompanying New Patent Application," along with any document referred to, is being deposited with the United States Postal Service on this date 8/12/99 in an envelope as "Express Mail Post Office to Addressee," Mailing Label Number EL428438747US, addressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231.

Jennifer M. Milson

(Type or print name of person mailing paper)


Signature of person mailing paper

WARNING: Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. § 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.

***WARNING:** Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. § 1.10(b).
"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

(Cover Sheet For Assignment Accompanying New Patent Application [4-2.3]—page 1 of 4)

NOTE: 37 C.F.R. § 3.21 states: "If an assignment of a patent application filed under § 1.53(b) is executed concurrently with, or subsequent to, the execution of the patent application, but before the patent application is filed, it must identify the patent application by its date of execution, name of each inventor, and title of the invention so that there can be no mistake as to the patent application intended. If an assignment of a provisional application under § 1.53(c) is executed before the provisional application is filed, it must identify the provisional application by name of each inventor and title of the invention so that there can be no mistake as to the provisional application intended."

NAME OF PARTY(IES) CONVEYING INTEREST (37 C.F.R. § 3.31(a)(1))

2. The party(ies) conveying this interest is (are):

Name 1: James Malon Rowe
 Name 2: John W. Stephenson
 Name 3: _____

NAME AND ADDRESS OF PARTY(IES) RECEIVING INTEREST

(37 C.F.R. § 3.31(a)(2))

3. The rights are being conveyed to:

Name: NORTHROP GRUMMAN CORPORATION
 Address: 1840 Century Park East
Los Angeles CA 90067-2199

Telephone No.: (323) 600-5823

**DESCRIPTION OF INTEREST CONVEYED OR
 TRANSACTION RECORDED (37 C.F.R. § 3.31(a)(3))**

4. The accompanying document intends to accomplish:

- an assignment.
 a security agreement.
 a license.
 a merger.
 a change of name.
 a change of address.
 other.

**NAME AND ADDRESS OF PARTY TO WHOM CORRESPONDENCE
 SHOULD BE MAILED (37 C.F.R. § 3.31(a)(5))**

5. Please address correspondence to:

Name: TERRY J. ANDERSON, ESQ.
 Address: NORTHROP GRUMMAN CORPORATION
1840 Century Park East
Los Angeles, CA 90067-2199

Telephone No.: (323) 600-5823

(Cover Sheet For Assignment Accompanying New Patent Application [4-2.3]—page 2 of 4)

DATE ASSIGNMENT (DOCUMENT) EXECUTED (37 C.F.R. § 3.31(a)(7))

6. The attached assignment (document) was executed on 8/9/99.
Date

LANGUAGE OF ASSIGNMENT (DOCUMENT) TO BE RECORDED

NOTE: "The Office will accept and record non-English language documents only if accompanied by an English translation signed by the individual making the translation." 37 C.F.R. § 3.25.

7. The attached document:

- is in the English language.
- is not in the English language. An English translation signed by the individual making the translation and statement as to its accuracy is attached.

ORIGINAL DOCUMENT OR TRUE COPY SUBMITTED

NOTE: "Either the original document or a true copy of the original document may be submitted for recording. Only one side of each page shall be used. The paper used should be flexible, strong, white, non-shiny, durable, and preferably no larger than 21.6 x 33.1 cm: (8½ x 14 inches) with a 2.5 cm. (one-inch) margin on all sides." 37 C.F.R. § 3.24.

8. Submitted herewith is:

- the original document.
- a true copy of the original document.

NOTE: "If the original [assignment] document is two-sided or the wrong size, the practitioner can comply with the requirement [set out in 37 C.F.R. § 3.24] by providing a true copy of the original document using only one side of each page on the correct size paper." Notice of June 24, 1992, 1140 O.G. 63-76, at 67.

NUMBER OF APPLICATIONS IDENTIFIED IN THIS COVER SHEET AND THE FEE

NOTE: "All requests to record documents must be accompanied by the appropriate fee. Except as provided in paragraph (b) of this section, a fee is required for each application or patent against which the document is recorded as identified in the cover sheet. The recording fee is set in § 1.21(h). . . ." 37 C.F.R. § 3.41.

9. A. This cover sheet identifies only one application:

B. The fee for recordal (37 C.F.R. § 1.21(h)) is \$40.00.

- Attached is a check for \$40.00.
- Please charge Account 14-1325 \$40.00.

A duplicate of this cover sheet is attached.

**STATEMENT (37 C.F.R. § 3.31(a)(9))
AND SIGNATURE (37 C.F.R. § 3.31(a)(10))**

10. 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.

Date: _____

Name of party submitting document

Signature of party submitting document

(complete the following, if the party submitting the document is applicant's attorney)

Reg. No. 28,497

Date: 8/12/99

Bruce B. Brunda
Signature of Practitioner

Tel. No. (949) 855-1246

BRUCE B. BRUNDA

(type or print name of practitioner)

Customer No. --

STETINA BRUNDA GARRED & BRUCKER
24221 Calle de la Louisa, 4th Flr.

P.O. Address
Laguna Hills, CA 92653-3642

TOTAL NUMBER OF PAGES BEING SUBMITTED

11. The total number of pages being submitted, including cover sheet, attachment(s), and document(s) are:

34
Total number of pages submitted

NOTE: PLEASE DIRECT ALL CORRESPONDENCE AND PHONE CALLS TO:

TERRY J. ANDERSON, ESQ. (REG. NO. 24,271)
NORTHROP GRUMMAN CORPORATION
1840 Century Park East
Los Angeles, CA 90067-2199

PHONE: (323) 600-5823

(Cover Sheet For Assignment Accompanying New Patent Application [4-2.3]—page 4 of 4)

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:

FLEXIBLE HIGHLY DURABLE, TRANSPARENT OPTICAL COATINGS

(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 num-
ber 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 8-9-99
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.

James Malon Rowe
(type name of inventor)

James Malon Rowe
Signature of INVENTOR

John W. Stephenson

John W. Stephenson

~~_____

_____~~

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.

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

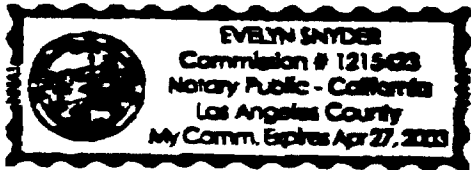
State of CALIFORNIA

County of LOS ANGELES

On AUGUST 9^{ES} 1999 before me, EVELYN SNYDER, NOTARY PUBLIC

personally appeared JAMES MALDON ROWE, JOHN WINFRED STEPHENSON

- 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

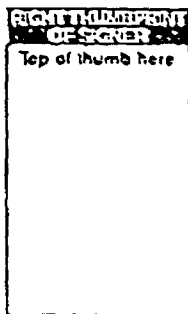
Document Date: Number of Pages:

Signer(s) Other Than Named Above:

Capacity(ies) Claimed by Signer(s)

Signer's Name:

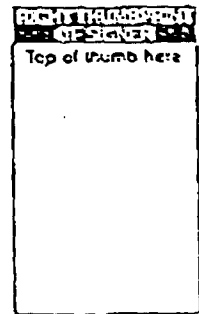
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- Individual
Corporate Officer
Partner - Limited General
Attorney-in-Fact
Trustee
Guardian or Conservator
Other:



Signer Is Representing: