

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | |
|---|------------------------------|---------------|------------------------------|---------------------|-------------------------|--------------------|-------------|--------------|----------------|------------------------|------------|--------------|-------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Sanan Shaibani</td><td>12/09/2004</td></tr><tr><td>Joseph Krystkowiak</td><td>12/09/2004</td></tr><tr><td>John Mansell</td><td>12/09/2004</td></tr><tr><td>Akbar Arab-Sadeghabadi</td><td>12/09/2004</td></tr></tbody></table> | | Name | Execution Date | Sanan Shaibani | 12/09/2004 | Joseph Krystkowiak | 12/09/2004 | John Mansell | 12/09/2004 | Akbar Arab-Sadeghabadi | 12/09/2004 | | |
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| RECEIVING PARTY DATA | | | | | | | | | | | | | |
| <table border="1"><tr><td>Name:</td><td>NORTHROP GRUMMAN CORPORATION</td></tr><tr><td>Street Address:</td><td>21240 Burbank Boulevard</td></tr><tr><td>Internal Address:</td><td>Building 35</td></tr><tr><td>City:</td><td>Woodland Hills</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>91367</td></tr></table> | | Name: | NORTHROP GRUMMAN CORPORATION | Street Address: | 21240 Burbank Boulevard | Internal Address: | Building 35 | City: | Woodland Hills | State/Country: | CALIFORNIA | Postal Code: | 91367 |
| Name: | NORTHROP GRUMMAN CORPORATION | | | | | | | | | | | | |
| Street Address: | 21240 Burbank Boulevard | | | | | | | | | | | | |
| Internal Address: | Building 35 | | | | | | | | | | | | |
| City: | Woodland Hills | | | | | | | | | | | | |
| State/Country: | CALIFORNIA | | | | | | | | | | | | |
| Postal Code: | 91367 | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11012398</td></tr></tbody></table> | | Property Type | Number | Application Number: | 11012398 | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | |
| Application Number: | 11012398 | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | |
| Fax Number: (714)427-7799 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | | | |
| Phone: 714-427-7020 | | | | | | | | | | | | | |
| Email: cneu@swlaw.com | | | | | | | | | | | | | |
| Correspondent Name: Albin H. Gess, SNELL & WILMER LLP | | | | | | | | | | | | | |
| Address Line 1: 600 Anton Boulevard | | | | | | | | | | | | | |
| Address Line 2: Suite 1400 | | | | | | | | | | | | | |
| Address Line 4: Costa Mesa, CALIFORNIA 92626 | | | | | | | | | | | | | |
| NAME OF SUBMITTER: | Albin H. Gess | | | | | | | | | | | | |
| Total Attachments: 5 | | | | | | | | | | | | | |

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PATENT
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ASSIGNMENT

WHEREAS, we the undersigned, **SANAN SHAIBANI**, citizen of the United States, residing at 4762 Galendo Street, Woodland Hills, California 91364; **JOSEPH KRYSTKOWIAK**, citizen of the United States, residing at 11972 Berrybrook Ct., Moorpark, California 93021; **JOHN MANSELL**, citizen of the United States, residing at 46 Magellan Street, Thousand Oaks, California 91360; and **AKBAR ARAB-SADEGHABADI**, citizen of the United States, residing at 1513 Branch Avenue, Simi Valley, California 93065, have invented a new and useful **COMPENSATING INTERFEROMETER WITH BRAGG REFLECTORS**, Attorney Docket No. 34261-9500 for which application for Letters Patent was filed on December 15, 2004 and assigned Serial No. 11/012,398; and

WHEREAS, we verily believe ourselves to be the original, first and sole inventors of the invention set forth in said application for Letters Patent and represent that we have not conveyed or hypothecated any right or interest therein; and

WHEREAS, **NORTHROP GRUMMAN CORPORATION**, a corporation of the State of Delaware, sometimes hereinafter referred to as "said assignee," having a principal place of business at 21240 Burbank Boulevard, Building 35, Woodland Hills, California 91367 is desirous of acquiring the entire and exclusive right, title and interest in and to said invention, and any and all patent applications which may be filed thereon, and any and all Letters Patent which may be granted or issued therefor in the United States and throughout the world, including any and all divisions, continuations, reissues and extensions of any of the foregoing.

NOW, THEREFORE, in consideration of obligations voluntarily assumed by us and other good and valuable consideration, and for the further consideration of the sum of One Dollar (\$1.00) paid to each of us, receipt of which is hereby acknowledged, we do hereby sell, assign, transfer and set over unto said assignee, its successors and assigns, the entire and exclusive right, title and interest in and to said invention, patent applications and Letters Patents which may be granted or issued for said invention in the United States and throughout the world, including all divisions, continuations, reissues and extensions thereof, and all international priority rights associated therewith, all to be held by us had this assignment not been made; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and duly constituted authorities of foreign countries to issue all Letters Patent relating to the foregoing assigned rights to said assignee, its successors and assigns.

We agree that we will at all times keep said assignee advised of our whereabouts; and we will promptly, upon request of said assignee, and without further compensation, but at no out-of-pocket expense to ourselves, do all lawful acts, including the execution of all necessary documents and the giving of testimony that, in the opinion of the assignee, its successors and assigns, may be necessary or desirable for obtaining, sustaining, or reissuing United States and foreign Letters Patent relating to the foregoing assigned rights, and for perfecting, affirming, recording, and maintaining the title of said assignee, its successors and assigns thereto; and that we will generally cooperate to the fullest extent in all matters pertaining to said invention and patent and said assignee's title thereto.

IN WITNESS WHEREOF, we have executed this instrument at WOODLAND HILLS, California on the date indicated adjacent to our names.

Dated: 12/09/04

By: [Signature]
SANAN SHAIBANI

STATE OF CALIFORNIA)
) ss.
COUNTY OF LOS ANGELES)

On DECEMBER 9, 2004, before me, BETH A. COOK, Notary Public, personally appeared SANAN SHAIBANI, proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person executed the instrument.

Witness my hand and official seal.

[Signature]
Notary Public

My commission expires:

8-16-2006



Dated: 12/09/04

By: Joe Krystkowiak
JOSEPH KRYSTKOWIAK

STATE OF CALIFORNIA)
) ss.
COUNTY OF LOS ANGELES)

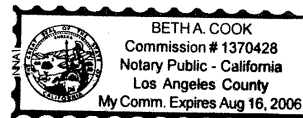
On DECEMBER 9, 2004 before me, BETHA COOK, Notary Public,
personally appeared JOSEPH KRYSTKOWIAK, proved to me on the basis of satisfactory
evidence to be the person whose name is subscribed to the within instrument and acknowledged
to me that he/she executed the same in his/her authorized capacity, and that by his/her signature
on the instrument the person executed the instrument.

Witness my hand and official seal.

Betha Cook
Notary Public

My commission expires:

8-16-2006



Dated: 12-9-04

By: *John Mansell*
JOHN MANSELL

STATE OF CALIFORNIA)
) ss.
COUNTY OF LOS ANGELES)

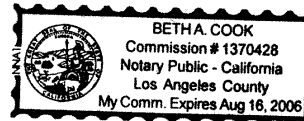
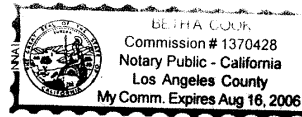
On DECEMBER 9 2004, before me, BETH A. COOK, Notary Public, personally appeared JOHN MANSELL, proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that ~~he~~ she executed the same in his ~~her~~ authorized capacity, and that by his ~~her~~ signature on the instrument the person executed the instrument.

Witness my hand and official seal.

Beth A. Cook
Notary Public

My commission expires:

8-16-2006



Dated: 12/9/04

By: A. A. Sadeghkhani
AKBAR ARAB-SADEGHABADI

STATE OF CALIFORNIA)
) ss.
COUNTY OF LOS ANGELES)

On DECEMBER 9, 2004, before me, BETHA COOK, Notary Public,
personally appeared AKBAR ARAB-SADEGHABADI, proved to me on the basis of
satisfactory evidence to be the person whose name is subscribed to the within instrument and
acknowledged to me that he/she executed the same in his/her authorized capacity, and that by
his/her signature on the instrument the person executed the instrument.

Witness my hand and official seal.

Betha A. Cook
Notary Public

My commission expires:

8-16-2006

