



05-10-2001



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Conveying Party(ies)

☐ Mark if additional names of conveying parties attached
Execution Date
Month Day Year
04302001

Name (line 1) **Feldman, Walter K.**

Name (line 2)

Second Party

Name (line 1) **Mazzola, Daniel P.**

Execution Date
Month Day Year
04302001

Name (line 2)

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) **LOCHEED MARTIN CORPORATION**

Name (line 2) **(a corporation of the State of Maryland)**

Address (line 1) **6801 Rockledge Drive**

Address (line 2)

Address (line 3) **Bethesda**

City

Maryland

State/Country

20817

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

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PATENT
REEL: 011773 FRAME: 0975

Correspondent Name and AddressArea Code and Telephone Number **202.236.3707**Name **Wallace G. WALTER**Address (line 1) **5726 Clarence Ave**Address (line 2) **Alexandria VA 22311-1008**

Address (line 3)

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

2**Application Number(s) or Patent Number(s)**☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)**09833791****Patent Number(s)**If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)Enter PCT application number
only if a U.S. Application Number
has not been assigned.

PCT

PCT

Number of Properties

Enter the total number of properties involved.

1**Fee Amount**Fee Amount for Properties Listed (37 CFR 3.41): \$ **40**Method of Payment:
Deposit AccountEnclosed ☐ Deposit Account ☒

(Enter for payment by deposit account or if additional fees can be charged to the account.)

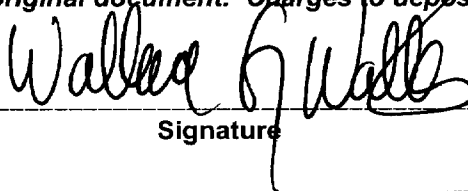
Deposit Account Number:

50-1464

Authorization to charge additional fees:

Yes ☒ No ☐**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. Charges to deposit account are authorized, as indicated herein.***Wallace G. WALTER**

Name of Person Signing



Signature

May 2, 2001

Date

ASSIGNMENT

WHEREAS, I, **Walter K. FELDMAN**, residing at 20 Reeves Street, Smithtown NY 11787, have invented an improvement in **METHOD OF DETERMINING BOUNDARY INTERFACE CHANGES IN A NATURAL RESOURCE DEPOSIT**, invented by myself and **Daniel P. MAZZOLA**, residing at 8 Atlas Court, Garden City Park NY 11040, as set forth in U.S. Patent Application Number **09/833,791**, filed **April 13, 2001**.

AND, WHEREAS, LOCKHEED MARTIN CORPORATION (hereinafter, the "ASSIGNEE"), a corporation duly organized and existing under the laws of the State of MARYLAND and having its principal office and place of business at 6801 Rockledge Drive, Bethesda MD 20817, is desirous of acquiring an interest therein.

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, **Walter K. FELDMAN**, one of said inventors, by these presents do sell, assign, and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, the full and exclusive right, title, and interest to said invention in the United States and all other countries, as described in the aforesaid patent application; the full and exclusive right, title, and interest to said patent application and all divisions, continuations, substitutions, and reissues thereof; and the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres; and I hereby authorize the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE, its successors, assigns, and legal representatives.

I agree, upon request of said ASSIGNEE and without further remuneration, to provide testimony and/or execute any and all papers desired by said ASSIGNEE for the prosecution of the aforesaid patent application and all divisions, continuations, substitutions, and reissues thereof; for the filing of international applications under the Patent Cooperation Treaty; for the filing of European Patent Office patent applications; for the filing and granting of applications in countries other than the United States; and for the perfecting of the full rights and title thereto in ASSIGNEE.

I hereby agree to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements and applications for patents based thereon, growing out of or related to said invention, and to provide testimony and/or execute papers desired by said ASSIGNEE, its successors, assigns, and legal representatives, for perfecting ASSIGNEE's full rights and title in and to said like interest hereby transferred.

Walter K. FELDMAN: Walter K. Feldman, Date: 30 April 2001.

On this 30th day of April 2001, before me personally came **Walter K. FELDMAN** to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Susan Lugeresi
 Susan Lugeresi-Notary Public
 State of New York
 No 30-4507554 Qualified in
 Nassau Cnty Comm Exp 7.31.01

ASSIGNMENT


WHEREAS, I, **Daniel P. MAZZOLA**, residing at 8 Atlas Court, Garden City Park NY 11040, have invented an improvement in **METHOD OF DETERMINING BOUNDARY INTERFACE CHANGES IN A NATURAL RESOURCE DEPOSIT**, invented by myself and **Walter K. FELDMAN**, residing at 20 Reeves Street, Smithtown NY 11787, as set forth in U.S. Patent Application Number **09/833,791**, filed **April 13, 2001**.

AND, WHEREAS, **LOCKHEED MARTIN CORPORATION** (hereinafter, the "ASSIGNEE"), a corporation duly organized and existing under the laws of the State of MARYLAND and having its principal office and place of business at 6801 Rockledge Drive, Bethesda MD 20817, is desirous of acquiring an interest therein.

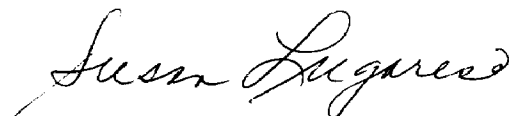
NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, **Daniel P. MAZZOLA**, one of said inventors, by these presents do sell, assign, and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, the full and exclusive right, title, and interest to said invention in the United States and all other countries, as described in the aforesaid patent application; the full and exclusive right, title, and interest to said patent application and all divisions, continuations, substitutions, and reissues thereof; and the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres; and I hereby authorize the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE, its successors, assigns, and legal representatives.

I agree, upon request of said ASSIGNEE and without further remuneration, to provide testimony and/or execute any and all papers desired by said ASSIGNEE for the prosecution of the aforesaid patent application and all divisions, continuations, substitutions, and reissues thereof; for the filing of international applications under the Patent Cooperation Treaty; for the filing of European Patent Office patent applications; for the filing and granting of applications in countries other than the United States; and for the perfecting of the full rights and title thereto in ASSIGNEE.

I hereby agree to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements and applications for patents based thereon, growing out of or related to said invention, and to provide testimony and/or execute papers desired by said ASSIGNEE, its successors, assigns, and legal representatives, for perfecting ASSIGNEE's full rights and title in and to said like interest hereby transferred.

Daniel P. MAZZOLA: , Date: 30 April 2001.

On this 30th day of April 2001, before me personally came **Daniel P. MAZZOLA** to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.



Susan Lugaresi-Notary Public
State of New York
No 30-4507554 Qualified in
Nassau Cnty Comm Exp 7-31-01