

Form PTO-1595 (Rev. 06/04)

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To the Director of the U.S. Patent and Trademark Office. Please record the attached documents or the address(es) below..

1. Name of conveying party(ies)/Execution Date(s):

(1) Mark T. NEEBE
(2) Paul J. SPEESE
(3) Randall Keith NEILSONExecution Date(s): (1) & (2) 09/23/09 and (3)
09/10/2009Additional name(s) of conveying party(ies) attached?
attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

NAME: Northrop Grumman Systems Corporation

ADDRESS: 1840 Century Park East
Los Angeles, CA 90067-2199

3. Name of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

Additional name(s) & addresses(es) attached?

☐ Yes ☒ No

4. Application number(s) or patent number(s):

☒ This document is being filed together with a new application

A. Patent Application No.(s)

12/575,104

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name:

Address: Rothwell, Figg, Ernst & Manbeck
Suite 800

Street Address: 1425 K St., N.W.

City: Washington,

State: D.C. Zip: 20005

Telephone No.: 202/783-6040

Facsimile No.: 202/783-6031

Email Address:

Attorney Docket No.: 2662-277

6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): . . . \$ 40

- ☐ Enclosed
☒ Authorized to be charged to deposit account
☐ None required (government interest not affecting title)

8. Deposit account number: 02-2135

Authorized User Name Jason M. Shapiro

DO NOT USE THIS SPACE

9. Signature.



Signature

10/7/09

Date

Jason M. Shapiro, Reg. No. 35,354
Name of Person Signing
Total number of pages including cover sheet, attachments and documents: 5

CH \$40.00 022135 12575104

2662-277

ASSIGNMENT

WHEREAS, we Mark T. NEEBE, Paul SPEESE and Randall Keith NELSON, hereinafter referred to as Assignor have invented certain new and useful improvements in a **SYSTEM FOR MANAGING MAIL CARRIERS IN A SORTING FACILITY USING PERSISTENT ASSET ROUTING TERMINALS**, as described in an application for United States Letters Patent, executed by me on the date as stated below;

WHEREAS, **Northrop Grumman Systems Corporation**, a Delaware corporation, having its principal place of business at 1840 Century Park East, Los Angeles, CA 90067-2199, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title and interest in, to and under said improvements and said application:

NOW, THEREFORE, in consideration of Assignor's obligations to **Northrop Grumman Systems Corporation**, and for other good and valuable consideration, the receipt and sufficiency is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, Assignor's entire right, title and interest in, to and under said improvements, and said application and all divisions, renewals, continuations, and continuations-in-part thereof, and all United States Letters patent which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, including the full right to claim for any such application the priority benefits of the International Convention for the Protection of Industrial Property and other priority-conferring treaties, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, divisions, continuations, continuations-in-part, renewals and reissues thereof; and Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to said Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

Assignor hereby acknowledges that at the time of making the improvements herein identified, Assignor was under an obligation to assign to Assignee, Assignor's entire right, title and interest in, to and under said improvements;

Assignor hereby covenants that Assignor has full right to convey the interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict herewith and that Assignee, **Northrop Grumman Systems Corporation**, its successors, assigns and other legal representatives shall have the right to hold and enjoy for its and their own use and benefit, to the end of the term or terms for which such Letters Patent shall or may be granted, reissued or extended as fully and completely as the same right or could have been held and enjoyed by Assignor had this Assignment not been made.

Assignor hereby further covenants and agrees to communicate to Assignee, its successors, legal representatives and assigns, any and all facts known to Assignor respecting said improvements; to promptly provide Assignee with all documents relating to said improvements, said invention, and said Letters Patent as may be known or accessible to Assignor; to testify as to the same in any interference or litigation or other legal proceedings related thereto; to sign all lawful papers, execute all extensions, continuations, continuations-in-part, divisional and reissue applications; and to make all rightful oaths or declarations and generally do everything possible to aid Assignee, its successors, legal representatives and assigns in obtaining and enforcing all the rights herein conveyed for said improvements in all countries without further compensation, but at the expense of Assignee, its successors, legal representatives and assigns.

PATENT**REEL: 023342 FRAME: 0683**

IN WITNESS WHEREOF, the undersigned has executed and delivered this instrument this 23 day of September, 2009, and has executed the referenced patent application on the _____ day of _____, 2009.

Mark T. Neebe

Mark T. NEEBE

STATE OF Maryland
COUNTY OF Anne Arundel) ss

T. A. Gesualdi September 23, 2009 before me,
personally appeared Mark T. NEEBE, personally known to me – or – proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to this instrument and acknowledge 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 to be the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

T. A. Gesualdi
Notary's Signature

(Seal)

T. A. GESUALDI
NOTARY PUBLIC
ANNE ARUNDEL COUNTY
MARYLAND
My Commission Expires May 12, 2010

IN WITNESS WHEREOF, the undersigned has executed and delivered this instrument this 23 day of September, 2009, and has executed the referenced patent application on the _____ day of _____, 2009.

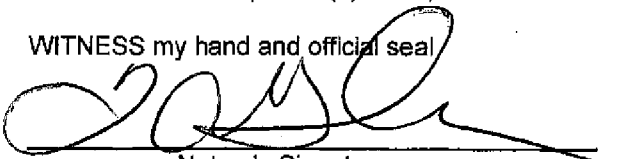


Paul SPEESE

STATE OF Maryland
COUNTY OF Anne Arundel) ss

On September 23, 2009 before me, T. A. Gesualdi, personally appeared Paul SPEESE, personally known to me -- or -- proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to this instrument and acknowledge 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 to be the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

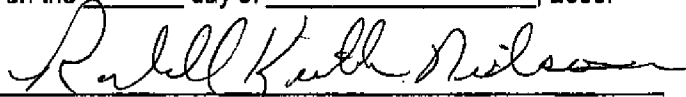
WITNESS my hand and official seal



Notary's Signature
(Seal)

T. A. GESUALDI
NOTARY PUBLIC
ANNE ARUNDEL COUNTY
MARYLAND
My Commission Expires May 12, 2010

IN WITNESS WHEREOF, the undersigned has executed and delivered this instrument this 10 day of September, 2009, and has executed the referenced patent application on the _____ day of _____, 2009.

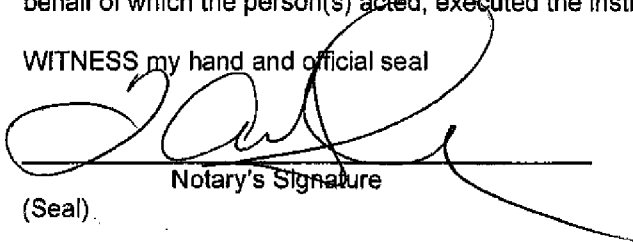


Randall Keith NEILSON

STATE OF Maryland
COUNTY OF Anne Arundel^{ss}

On Sept. 10, 2009 before _____ me,
T. A. Gesualdi personally
appeared Randall Keith NEILSON, personally known to me – or – proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to this instrument and acknowledge 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 to be the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal


Notary's Signature
(Seal)

T. A. GESUALDI
1627578 NOTARY PUBLIC
ANNE ARUNDEL COUNTY
MARYLAND
My Commission Expires May 12, 2010