

MRD 10-27-00

11-09-2000

FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (Exp. 4/94)

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U.S. DEPARTMENT OF COMMERCE  
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To the honorable Commissioner of Patents

101512150

original documents or copy thereof.

1. Name of conveying party(ies):  
James N. SweetAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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

BAE Systems Mission Solutions Inc.  
16550 West Bernardo Drive  
San Diego, California 92127

3. Nature of Conveyance:

[X] Assignment [ ] Merger  
[ ] Security Agreement [ ] Change of Name  
[ ] Other:

Additional name(s) attached? [ ] Yes [x] No

Execution Date: 10/03/2000

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:

A. Patent Application No.(s) 09/664,701

B. Patent No.(s)

Additional numbers attached? [ ] Yes [x] No

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

Cooley Godward LLP  
Five Palo Alto Square  
3000 El Camino Real  
Palo Alto, PA 94306-2155

6. Total number of application and patents involved: 1

7. Total Fee (37 CFR 3.41).....\$40.00  
[x] Enclosed

[ ] Authorized to be charged to deposit account

8. Deposit account number: 03-3117  
(Attach duplicate copy of this page if paying by deposit account)

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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.*

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Name of Person Signing: Kevin J. Zimmer

Signature:

Date: 10/25/00

Total number of pages including cover sheet, attachments, and document: 3

Express Mail Label No. EL708083835US Date of Deposit: October 25, 2000

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Box Assignment, Director, U.S. Patent and Trademark Office, Washington, D.C. 20231.

Date: Oct. 25, 2000

By:

PATENT  
REEL: 011212 FRAME: 0650

ASSIGNMENT

**Whereas,**

James N. Sweet residing at 9832 Caminito Cuadro, San Diego, California 92129; (hereinafter referred to individually and collectively as "Inventor") has made an invention relating to certain new and useful improvements in:

METHOD AND APPARATUS FOR DETERMINING SPECTRAL SIMILARITY

and executed therefor an Application for Letters Patent of the United States and

[ ] having an oath or declaration executed on even date herewith;  
[X] bearing Serial No. 09/664,701 and filed on September 19, 2000  
[ ] issued as a Patent No. \_\_\_\_ on \_\_\_\_

**Whereas,** BAE Systems Mission Solutions Inc. (hereinafter "Assignee"), a corporation of Delaware, and having a principal place of business at 16550 West Bernardo Drive, San Diego, California 92127, is desirous of acquiring the entire right, title, and interest in and to said invention, said Application, and the Letters Patent to be obtained therefor:

**Now, therefore,** for and in consideration of One Dollar and other good and valuable considerations, to Inventor in hand paid, the receipt and sufficiency whereof are hereby acknowledged, Inventor has sold, assigned, and set over and by these presents does hereby sell, assign, and set over unto Assignee and Assignee's legal representatives, successors and assigns, the entire right, title, and interest in and to said invention, said Application and any other application, domestic or foreign, that claims said invention, as well as any Letters Patent, domestic or foreign, that may or shall issue thereon; and Inventor does hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to the above-mentioned Assignee agreeably with the terms of this Assignment.

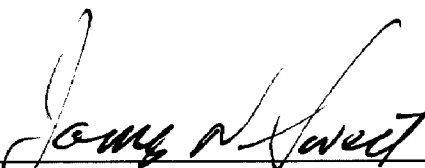
The terms "Application" and "Application for Letters Patent" as used herein include both provisional and non-provisional applications.

Inventor hereby authorizes the above-mentioned Assignee or its legal representative to insert in this instrument the filing date and serial number of said Application or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

**Upon said consideration, Inventor** conveys to Assignee the right to make application in its own behalf for protection of said invention in countries foreign to the United States and where expedient to claim under the International Convention or other

international arrangement for any such application the date of the United States application (or other application if any there be) in priority to other applications; and **Inventor does hereby covenant** and agree with Assignee that Inventor will not execute any writing or do any act whatsoever conflicting with these presents, and that Inventor will at any time upon request, without further or additional consideration, but at the expense of Assignee, execute such additional assignments and other writings and do such additional acts as Assignee may deem necessary or desirable to perfect Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuation, continuation-in-part, renewal, reexamined, reissued or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or chose in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind and inure to the benefit of the assigns and legal representatives of both parties.

Date: 3 Oct 00

By:   
James N. Sweet

**STATEMENT UNDER 37 C.F.R. § 3.73(b)**Applicant/Patent Owner: BAE SYSTEMS Mission Solutions Inc.Application No.: \_\_\_\_\_ Filed: September 19, 2000Entitled: "METHOD AND APPARATUS FOR DETERMINING SPECTRAL SIMILARITY"

BAE Systems, 16550 West Bernardo Drive, San Diego, California 92127

(Name of Assignee)

a, Corporation  
(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_

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3. From: \_\_\_\_\_ To: \_\_\_\_\_

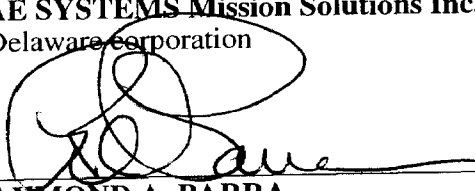
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- ☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.  
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 C.F.R. Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

Date: October 3, 2000

BAE SYSTEMS Mission Solutions Inc.  
a Delaware corporationBy:   
RAYMOND A. PARRA  
Vice President and General Counsel

(04/00)