

11-10-2009

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

11-9-09



ET

103580298

To the Director of the U.S. Patent

documents or the new address(es) below.

1. Name of conveying party(ies)

JAMES COVOSSO FRANCIS

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) NOVEMBER 5, 2009

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

2. Name and address of receiving party(ies)

Name: L-3 SERVICES, INC.

Internal Address: _____

Street Address: 3033 SCIENCE PARK ROAD

City: SAN DIEGO

State: CALIFORNIA

Country: US

Zip: 92121

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

12/613,387

Additional numbers attached? ☐ Yes ☒ No

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

Name: EDWARD W. CALLAN

Internal Address: _____

Street Address: 3830 VALLEY CENTRE DRIVE

NO. 705, PMB 452

City: SAN DIEGO

State: CALIFORNIA Zip: 92130

Phone Number: (858) 259-5533

Fax Number: (858) 259-5537

Email Address: ECALLAN1@SAN.RR.COM

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

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

8. Payment Information

Deposit Account Number 03-0375

Authorized User Name EDWARD W. CALLAN

9. Signature:

Edward W. Callan
Signature

EDWARD W. CALLAN

Name of Person Signing

11/09/2009 DRYNE NOV 05, 2009 12613387

48.00
Total number of pages including cover sheet, attachments, and documents: 2

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

TO WHOM IT MAY CONCERN

For the sum of One Dollar and other valuable consideration, to me in hand paid, receipt of which is hereby acknowledged, be it known that I, JAMES COVOSSO FRANCIS of 30 Parkview Manor Circle, Honeoye Falls, New York 14472, USA, do hereby sell, assign, transfer and set over unto L-3 SERVICES, INC. (a Delaware Corporation) having principal offices located at 3033 Science Park Road, San Diego, CA 92121, its successors, legal representatives, or assigns, the whole right, title and interest in and to a certain invention relating to **PERMUTATION MAPPING FOR ARQ-PROCESSED TRANSMISSIONS** and the application for United States Letters Patent therefor executed by us on even date with my execution of this Assignment for filing in the United States Patent and Trademark Office and all original and reissue patents granted thereof, and all divisions and continuations thereof, including the subject-matter of any and all claims which has been or may be obtained in every such patent, and all foreign rights to said invention, and covenant that I have full right to do so, and agree that I will communicate to said corporation or its representatives all facts known to me respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, make all rightful oaths and generally do everything possible to aid said corporation, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

The Commissioner of Patents and Trademarks is requested to issue the Letters Patent, which may be granted for said invention or any part thereof unto the said corporation, its successors, legal representatives, or assigns in keeping with this Assignment.

Done at Victor, New York this 5th day of November, 2009.

James Covosso Francis
JAMES COVOSSO FRANCIS

State of New York)
) ss.
County of Ontario)

On Nov 5th, 2009, before me, the undersigned, a Notary Public in and for said state, personally appeared JAMES COVOSSO FRANCIS, who proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual or the person upon behalf of which the individual acted, executed the instrument.

WITNESS my hand and official seal.

DONNA M. CLAUDIUS
Notary Public, State of New York
No. 01CL6075038
Qualified in Ontario County
Commission Expires May 27, 2010

Donna M. Claudius
(Signature of Notary)