

Form PTO-1595 (Rev. 08/05)
OMB No. 0651-0027 (exp. 6/30/2008)U.S. Department of COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET

PATENTS ONLY

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

1. Name of conveying party(ies):

Gerald L. Fudge; James E. Harvey; Mark A. Chivers; Sujit Ravindran;

2. Name and address of receiving party(ies)

Name: L-3 Communications Integrated Systems L.P.

Internal Address: _____

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

3. Nature of conveyance:

Execution Date(s) 12/12/07; 2/9/08; 12/12/07; 12/12/07

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

☒ Other CORRECTIVE DOCUMENT for Reel/Frame - 018727/0480 (to correct Assignee name)Street Address: 10001 Jack Finney Blvd.City: GreenvilleState: TXCountry: USA Zip: 75402Additional Name(s) & address(es) attached? ☐ Yes ☒ No

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

A. Patent Application No.(s)

11/545,642☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Brian W. Peterman

Internal Address: _____

Street Address: 1101 S. Cap of TX HwyBldg. C-Suite 200City: AustinState: TX Zip: 78746Phone Number: 512-347-1611Fax Number: 512-347-1615Email Address: bpeterman@oeplaw.com6. Total number of applications and patents involved: 17. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

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

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____b. Deposit Account Number 10-1205/ LCOM:049

Authorized User Name _____

9. Signature :



Signature

Brian W. Peterman, Reg# - 37908

2-19-08

Date

Total number of pages including cover sheet, attachments, and documents

5

Name of Person Signing

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

PATENT

REEL: 020538 FRAME: 0465

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U.S. Department of Commerce
United States Patent and Trademark Office

PAGE 06/06



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12/20/06

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To the Director of the U.S. Patents and Trademark Office, or to the address(es) below.

1. Name of conveying party(ies):

Gerald A. Fudge
James E. Harvey
Mark A. Chivers
Sujit Ravindran

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

2. Name and address of receiving party(ies)

Name: L-3 Integrated Systems Company

Internal Address:

Street Address: 10001 Jack Finney Blvd.

City: Greenville

State: TX

Country: USA Zip: 75402

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

3. Nature of conveyance:

Execution Date(s) 12/6/06; 12/8/06; 12/6/06; 12/6/06

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

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

A. Patent Application No.(s)
11/545,642

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

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

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

Name: Brian W. Peterman

Internal Address:

Street Address: 1101 S. Capital of Texas Highway

Building C, Suite 200

City: Austin

State: TX Zip: 78746

Phone Number: (512) 347-1611

Fax Number: (512) 347-1615

Email Address: bpeterman@oeplaw.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 by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

- a. Credit Card Last 4 Numbers _____
Expiration Date _____
- b. Deposit Account Number 10-1205
Authorized User Name LCOM:048

9. Signature:

Brian W. Peterman
Signature

Brian W. Peterman

12/20/06
Date

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Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
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PATENT

REEL: 020538 FRAME: 0466

LCOM: 049

NUNC PRO TUNC ASSIGNMENT FOR
PENDING APPLICATION

WHEREAS, the undersigned as an inventor and assignor ("ASSIGNOR") of US Patent Application Serial No. 11/545,642 (APPLICATION), did convey the APPLICATION to L-3 COMMUNICATIONS INTEGRATED SYSTEMS L.P. (the "ASSIGNEE"), a Delaware limited partnership having a place of business at 10001 Jack Finney Blvd., Greenville, Texas 75402;

WHEREAS, due to an error, ASSIGNEE's name and entity type were listed incorrectly on the original Assignment recorded in the Patent Office;

NOW THEREFORE, for good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, each ASSIGNOR does hereby:

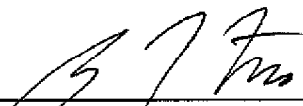
agree to ASSIGN, TRANSFER, CONVEY, DELIVER AND GRANT, unto said ASSIGNEE, effective as of the original execution date(s) of the original Assignment, **NUNC PRO TUNC**, all rights set forth in the original Assignment;

agree to the corrections indicated on the attached copy of the original Assignment to reflect the correct name and entity type for ASSIGNEE;

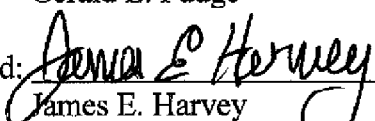
agree to EXECUTE any and all lawful documents and make all rightful oaths and declarations relating to United States Patents, letters Patents of foreign countries, and United States and foreign patent applications, when reasonably requested to do so by the Assignee with respect to the APPLICATION; and

AUTHORIZES and REQUESTS the Commissioner of Patents and Trademarks or any other proper officer or agency of any country to issue all the Letters Patent deriving from United States and foreign Patent applications to the ASSIGNEE with respect to APPLICATION.

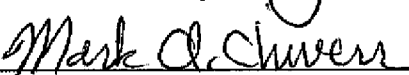
WHEREIN, the Assignor has executed this NUNC PRO TUNC Assignment as of the date indicated below.

Signed: 
Gerald L. Fudge


Dated: 12 Dec 2007

Signed: 
James E. Harvey

Dated: 09-Feb-2008

Signed: 
Mark A. Chivers

Dated: 12-12-07

Signed: 
Sujit Ravindran

Dated: 12/12/07

FILE NO. LCOM:049

PATENT

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to ~~L-3 COMMUNICATIONS INTEGRATED SYSTEMS L.P.~~ ^{L-3 COMMUNICATIONS INTEGRATED SYSTEMS L.P.} ~~L-3 INTEGRATED SYSTEMS COMPANY~~ (the "Assignee"), ~~being incorporated under the laws of the State of Delaware, having a place of business at~~ ^{limited partnership} 10001 Jack Finney Blvd., Greenville, Texas 75402, the entire right, title and interest for the United States and all foreign countries in and to (1) any and all improvements which are disclosed in Application Serial No. 11/545,642 for United States Letters Patent filed on October 10, 2006, and entitled "NYQUIST FOLDED BANDPASS SAMPLING RECEIVERS AND RELATED METHODS," (2) such application and all divisional, continuing, continuation-in-part, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; and (3) any and all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such applications in the United States;

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GLF / Date
JEH / Date
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MAC / Date
SR / 12-
SR / Date

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

(Signature):

Gerald L. Fudge
Gerald L. Fudge

Date: 12/05/2006

State of Texas

County of Harris

BEFORE ME, the undersigned authority, on this 6th day of December, 2006, personally appeared Gerald L. Fudge, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Carol S. Langford
Notary or Consular Officer



PATENT

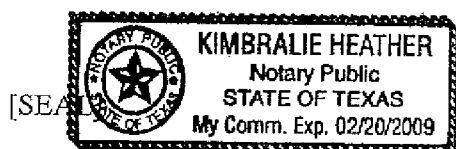
REEL: 020538 FRAME: 0468

(Signature): James E. Harvey
James E. Harvey

Date: 8 Dec 06

State of Texas)
County of Dallas)

BEFORE ME, the undersigned authority, on this 8th day of December, 2006, personally appeared James E. Harvey, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.



Kimberlie Heather
Notary or Consular Officer

(Signature): Mark A. Chivers
Mark A. Chivers

Date: 12-6-06

State of Texas)
County of Hunt)

BEFORE ME, the undersigned authority, on this 6th day of December, 2006, personally appeared Mark A. Chivers, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.



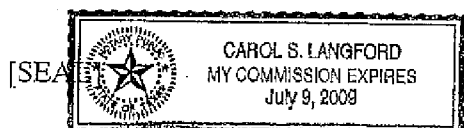
Carol S. Langford
Notary or Consular Officer

(Signature): Sujit Ravindran
Sujit Ravindran

Date: 12/6/06

State of Texas)
County of Hunt)

BEFORE ME, the undersigned authority, on this 6th day of December, 2006, personally appeared Sujit Ravindran, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.



Carol S. Langford
Notary or Consular Officer