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To the honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

John Michael Fini

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

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

Name: Furakawa Electric North America, Inc.

Internal Address: _____

Street Address: 2000 Northeast ExpresswayCity: Norcross State: GA ZIP: 30071Additional name(s) & address(es) attached? ☐ Yes; ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: July 7, 2006

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)

Serial No. 11/403,787

Filed on April 13, 2006

Patent No.(s)

Additional numbers attached? ☐ Yes; ☒ No

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

Name: Michael J. Urbano

Internal Address: _____

Street Address: 1445 Princeton DriveCity: Bethlehem State: PA ZIP: 18017-91666. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) \$ 40☐ Enclosed☒ Authorized to be charged to Deposit Account

8. Deposit Account Number or Credit Card Number:

Deposit Account No. 50-2074

(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.

Michael J. Urbano
Name of Person SigningMichael J. Urbano
Signature07/08/06
Date

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

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, DC 20231

INVENTOR CASE NAME: J. M. Fini 3

07/18/2006 DBYRME 00000069 502074 11403787

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PATENT
REEL: 018104 FRAME: 0551

*Fini 3***ASSIGNMENT AND AGREEMENT**

For value received, I, **John Michael Fini of Jersey City in the County of Hudson and State of New Jersey**, hereby sell, assign and transfer to **Furukawa Electric North America, Inc.**, a corporation of the State of Delaware, having an office at 2000 Northeast Expressway, Norcross, Georgia 30071, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **Suppression of Transverse Modes in Bandgap Microstructure Optical Fibers** described in an application for Letters Patent of the United States, **Serial No. 11/403,787 filed on April 13, 2006**, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and I also concurrently hereby sell, assign and transfer to **Furukawa Electric North America, Inc.** the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

I authorize **Furukawa Electric North America, Inc.** to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of **Furukawa Electric North America, Inc.** to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I request that any and all patents for said inventions be issued to **Furukawa Electric North America, Inc.** in the United States and in all countries foreign to the United States, or to such nominees as **Furukawa Electric North America, Inc.** may designate.

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I agree that, when requested, I shall, without charge to Furukawa Electric North America, Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.


John Michael Fini

Date: 7/5/06

United States of America)

State of New Jersey) ss.:County of Somerset)

On this 7th day of July, 2006, before me personally came John Michael Fini, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

Furukawa Electric North America, Inc.
2000 Northeast Expressway
Suite 2H02
Norcross, Georgia 30071