

2-18-05

03-04-2005

FORM PTO-1595
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102953616

To the honorable Commissioner of I

... attached original documents or copy thereof.

1. Name of conveying party(ies):

Matthew Julius Andrejco
Baishi WangAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: February 17, 2005

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

Name: Furakawa Electric North America, Inc.

Internal Address:

Street Address: 2000 Northeast Expressway

City: Norcross State: GA ZIP: 30071

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

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: February 17, 2005

A. Patent Application No.(s)

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 Drive

City: Bethlehem State: PA ZIP: 18017-9166

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40

☐ Enclosed☒ Authorized to be charged to my VISA8. 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 Signing

Signature

02/18/05
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: M. J. Andrejco 10-1

03/03/2005 DBYRNE 00000159 502074 11061983
01 FC:0021 40.00 DAPATENT
REEL: 016327 FRAME: 0071

ASSIGNMENT AND AGREEMENT

For value received, we, **Matthew Julius Andrejco**, of **Clinton**, in the State of **New Jersey**, and **Baishi Wang**, of **Princeton**, in the 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 **Rare-Earth-Doped Optical Fiber having Core Co-doped with Fluorine** described in an application for Letters Patent of the United States, executed by us of even date herewith, 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 we 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.

We 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 us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We 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.

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

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

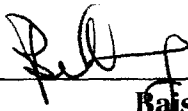

Matthew Julius Andrejco

Date: 2/17/05

United States of America)
State of New Jersey) ss.:
County of Somerset)

On this 17th day of Feb, 2005, before me personally came **Matthew Julius Andrejco** to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

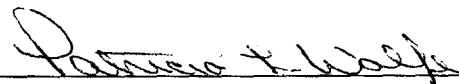


Baishi Wang

Date: 2/17/05

United States of America)
State of New Jersey) ss.:
County of Summit)

On this 17th day of Feb, 2005, before me
personally came **Baishi Wang**, 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