



06-28-2004
102777862

Agent Docket Number: 1840-0103006Cnt

Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005) Tab Setting ⇒⇒⇒		RECORDATION FORM COVER SHEET PATENTS ONLY		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
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1. Name of conveying party(ies): Masashi NAKAE Takeshi AIKIYO Toshio KIMURA Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. Name and address of receiving party(ies) Name : <u>The Furukawa Electric Co., Ltd.</u> Address : <u>6-1, Marunouchi 2-chome,</u> <u>Chiyoda-ku, Tokyo</u> Zip : <u>100-8322</u> Country : <u>Japan</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: May 18, 2004					
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 May 18, 2004					
A. Patent Application No.(s) <u>10/747451</u>			B. Patent No.(s)		
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Kanichiro Yamamoto</u> Internal Address: <u>Furukawa Electric North America, Inc.</u> Street Address: <u>1800 Diagonal Rd. Suite 600</u> City: <u>Alexandria</u> , State: <u>VA</u> Zip: <u>22314</u> Customer Number: <u>000041646</u>			6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41).....\$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: <u>502868</u>		
DO NOT USE THIS SPACE					
9. Signature <u>Kanichiro YAMAMOTO</u> Name of Person Signing (under Limited Recognition) Total number of pages including cover sheet, attachments, and documents: <u>3</u>					
<u>Kanichiro Yamamoto</u> <u>June 22, 2004</u> Signature Date					

Mail Documents to be recorded with required cover sheet information to:

Commissioner of Patent and Trademarks

Box Assignments

Washington, D.C. 20231

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PATENT
REEL: 015493 FRAME: 0914

Agent Docket Number :1840-0103006Cnt

Assignment of Application

Whereas, I(We),	
Masashi NAKAE	,Chiyoda-ku, Tokyo, Japan
Takeshi AIKIYO	,Chiyoda-ku, Tokyo, Japan
Toshio KIMURA	,Chiyoda-ku, Tokyo, Japan
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	.

Respectively certain new and useful improvements in:

**SEMICONDUCTOR LASER MODULE, OPTICAL AMPLIFIER, AND METHOD OF MANUFACTURING
THE SEMICONDUCTOR LASER MODULE**

for which an application for Letters Patent was executed on May 18, 2004(Application No. 10/747,451 , filed Dec. 30, 2003), andWHEREAS, The Furukawa Electric Co., Ltd.

(hereinafter referred to as "ASSIGNEE")having a place of business at:

6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8322, Japan

Is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I(We), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (We) hereby authorized and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (We) agree that I (We) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) Kanichiro Yamamoto of Furukawa Electric North America, Inc., 1800 Diagonal Rd., Suite 600, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rule of the United States Patent and Trademark Office for recordation of this document.

Inventor Name	Date(Day/Month/Year)	Signature of Inventor
Masashi NAKAE	<u>13, May, 2004</u>	<u>Masashi Nakae</u>
Takeshi AIKIYO	<u>11, May, 2004</u>	<u>Takeshi Aikiyo</u>
Toshio KIMURA	<u>18, May, 2004</u>	<u>Toshio Kimura</u>
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