

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kunio Odaka</td> <td>01/22/2010</td> </tr> <tr> <td>Katsuya Aboshi</td> <td>01/22/2010</td> </tr> <tr> <td>Kazutaka Simoosako</td> <td>01/22/2010</td> </tr> </tbody> </table>		Name	Execution Date	Kunio Odaka	01/22/2010	Katsuya Aboshi	01/22/2010	Kazutaka Simoosako	01/22/2010
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Kunio Odaka	01/22/2010								
Katsuya Aboshi	01/22/2010								
Kazutaka Simoosako	01/22/2010								
RECEIVING PARTY DATA									
Name:	Furukawa Electric Co., LTD								
Street Address:	2-3 marunouchi 2-chome, Chiyoda-ku								
City:	Tokyo								
State/Country:	JAPAN								
Postal Code:	100-8322								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12644630</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12644630				
Property Type	Number								
Application Number:	12644630								
CORRESPONDENCE DATA									
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ATTORNEY DOCKET NUMBER:	MP090136US/FRKWP145US								
NAME OF SUBMITTER:	Thomas E. Watson								

Total Attachments: 2
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**PATENT
 REEL: 024071 FRAME: 0703**

OP \$40.00 12644630

PATENT ASSIGNMENT

Client Docket No. MP090136US
OC Docket No. FRKWP145US

We, Kunio Odaka, Katsuya Aboshi, Kazutaka Simoosako ("ASSIGNORS"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CUSTOMER PREMISES OPTICAL NETWORK UNIT" ("APPLICATION"), which:

- will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Turocy & Watson, LLP, 127 Public Square, 57th Floor, Key Tower, Cleveland, Ohio 44114, who are associated with customer number 23623, to insert here in parenthesis (Application No. _____, filed _____) this APPLICATION's Application No. and filing date, when known;
- was filed on 12/22/09 and was given Application No. 12/644,630;
- is filed concurrently herewith;

Furukawa Electric Co., LTD, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNORS, the ASSIGNORS hereby sell, assign and transfer to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

<u>Kunio Odaka</u> Inventor's Signature	<u>22nd - Jan - 2010</u> Date
<u>Kunio Odaka</u> Printed Name in English	<u>奥高 邦雄</u> Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

Client Docket No. MP090136US
OC Docket No. FRKWPI45US

<u>Katsuya Aboshi</u> Inventor's Signature	<u>22nd Jan 2010</u> Date
<u>Katsuya Aboshi</u> Printed Name in English	<u>網于 勝也</u> Printed Name in Native Language (if other than English)

<u>Kazutaka Simoosako</u> Inventor's Signature	<u>22nd, January 2010</u> Date
<u>Kazutaka Simoosako</u> Printed Name in English	<u>下久田 和塔</u> Printed Name in Native Language (if other than English)