

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
Kazutaka NARA		11/05/2007
RECEIVING PARTY DATA		
Name:	THE 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		
Property Type	Number	
Application Number:	11844762	
CORRESPONDENCE DATA		
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Address Line 4:	Alexandria, VIRGINIA 22314	
ATTORNEY DOCKET NUMBER:	313800US8	
NAME OF SUBMITTER:	Mona C. Hendrick	
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OP \$40.00 11844762

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PATENT
REEL: 020138 FRAME: 0619

Assignment of Application

WHEREAS, I (WE)

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

Kazutaka NARA of c/o The Furukawa Electric Co., Ltd., 2-3, Marunouchi 2, Chiyoda-ku,
Tokyo 100-8322 JAPAN,

have invented certain new and useful improvements in:

INSERT TITLE
OF INVENTION:

Arrayed Waveguide Grating Optical Multiplexer/Demultiplexer

(Application No. 11/844,762, filed August 24, 2007) , and

WHEREAS,

INSERT NAMES
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE:

THE FURUKAWA ELECTRIC CO., LTD having a business place at 2-3, Marunouchi 2,
Chiyoda-ku, Tokyo 100-8322 JAPAN,

(hereinafter referred to as "ASSIGNEE") 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 authorize 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) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, 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 rules of the United States Patent and Trademark Office for recordation of this document.

Date: 05/11/2007


(Signature of Inventor) Kazutaka NARA

Date:

(Signature of Inventor)

Date:

(Signature of Inventor)

Date:

(Signature of Inventor)

Date:

(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
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