

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Oki Electric Industry Co., Ltd.	05/11/2012
RECEIVING PARTY DATA	
Name:	Chaipara Pte., L.L.C.
Street Address:	160 Greentree Drive
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City:	Dover
State/Country:	DELAWARE
Postal Code:	19904
PROPERTY NUMBERS Total: 28	
Property Type	Number
Application Number:	13472929
Patent Number:	5790301
Patent Number:	6174648
Patent Number:	6442312
Patent Number:	6317529
Patent Number:	6219396
Patent Number:	6344924
Patent Number:	6427037
Patent Number:	6313941
Patent Number:	6493481
Patent Number:	6456764
Patent Number:	6496613
Patent Number:	7664111
Patent Number:	7646985

Patent Number:	6166839
Patent Number:	6091738
Patent Number:	6091535
Patent Number:	6804713
Patent Number:	6445720
Patent Number:	6236500
Patent Number:	6335821
Patent Number:	6320998
Patent Number:	6313938
Patent Number:	6483634
Patent Number:	6553162
Patent Number:	6469824
Patent Number:	6665467
Patent Number:	6470112

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#### Total Attachments: 7

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### ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Oki Electric Industry Co., Ltd., a Japanese company having offices at 1-7-12 Toranomon, Minato-ku, Tokyo, Japan ("**Assignor**"), does hereby sell, assign, transfer, and convey unto Chaipara Pte., L.L.C., a Delaware limited liability company, with an address at 160 Greentree Drive, Suite 101; Dover, DE 19904 ("**Assignee**"), or its designees, all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "**Patent Rights**"):

(a) the patents listed in the table below (the "**Patents**");

<u>Patent or application no.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventors</u>
5790301	US	02/25/1997	Optical filter module and optical amplification using it Hidenari Maeda
6174648	US	07/02/1998	Optical filter fabrication method using fiber holder with spiral groove and phase mask with spiral diffraction grating Yoshitaka Terao
6442312	US	08/24/2000	Optical filter fabrication method and apparatus, optical filter, fiber holder with spiral groove, and phase mask Yoshitaka Terao
AU738457	AU	07/07/1998	Optical filter fabrication method and apparatus, optical filter, fiber holder with spiral groove, and phase mask Yoshitaka Terao
CA2242371	CA	07/06/1998	Optical filter fabrication method and apparatus, optical filter, fiber holder with spiral groove, and phase mask Yoshitaka Terao
CNZL98115691.6	CN	07/07/1998	Optical filter making method and equipment, optical filter, fiber holding-seat and phase hood Yoshitaka Terao

DE69826774.5	DE	07/07/1998	Optical filter fabrication method and apparatus, optical filter, fiber holder with spiral groove, and phase mask
FR0890851	FR	07/07/1998	Optical filter fabrication method and apparatus, optical filter, fiber holder with spiral groove, and phase mask Yoshitaka Terao
GB0890851	GB	07/07/1998	Optical filter fabrication method and apparatus, optical filter, fiber holder with spiral groove, and phase mask Yoshitaka Terao
JP3421218	JP	07/08/1997	Manufacture of optical filter, and support member and phase mask Yoshitaka Terao
6317529	US	12/03/1999	Optical cross-connect apparatus Masayuki Kashima
JP3705710	JP	12/08/1998	Optical cross connector and switching device Masayuki Kashima
6219396	US	05/04/1998	Jitter resistant clock regenerator Satoshi Owada
6344924	US	04/26/1999	Optical fiber amplifier and output power flattening method of optical fiber amplifier Mikiya Suzuki
6427037	US	02/03/2000	Two-stage optical switch circuit network Hideaki Okayama

6313941	US	03/02/2000	Optical component, optical amplifier and method of controlling optical amplifier characteristic  Mikiya Suzuki
6493481	US	02/08/2001	Optical switch unit  Hideaki Okayama
6456764	US	09/25/2000	Optical directional coupler  Hideaki Okayama
6496613	US	03/30/2001	Wavelength router  Hideaki Okayama
7664111	US	12/08/2005	Network switching system having a connection device management table commonly owned on a wireless network  Azuma Tsubota
CNZL200510118790.4	CN	10/31/2005	Network switching system and method, wireless access apparatus and wireless network system  Azuma Tsubota
7646985	US	02/12/2007	Optical clock signal extraction device and optical clock signal extraction method  Shin Arahira
6166839	US	10/07/1997	Optical transmitting apparatus, optical receiving apparatus, and optical transmitting-receiving system  Takashi Yamaguchi
6091738	US	04/28/1997	Transmission-equipment and method for assigning transmission-equipment identification number in transmission system  Mitsuo Tsujikado

6091535	US	12/28/1998	Optical transmitter and optical transmission system with switchable chirp polarity  Hideaki Satoh
6804713	US	04/14/2000	Operational supervisory system for a server  Miwa Nishio
JP3810956	JP	07/28/1999	Operational supervisory system for a server  Miwa Nishio
6445720	US	03/15/1999	Optical output level control device for an optical wavelength multiplexer included in an optical transmission system  Toshiaki Mukojima
6236500	US	06/23/1999	Optical amplifier  Mikiya Suzuki
6335821	US	02/10/2000	Optical fiber amplifier and a method for controlling the same  Mikiya Suzuki
6320998	US	11/24/1999	Optical switch for selectively connecting an optical input terminal with an optical output terminal  Hideaki Okayama, Hironori Sasaki
6313938	US	11/10/1999	Planar lightwave circuit module and optical fiber amplifying device  Shigeru Shikii, Akira Sasaki
6483634	US	09/15/2000	Optical amplifier  Andrew R Pratt, Kozo Fujii

6553162	US	11/15/2000	Optical multiplexer-demultiplexer with mutually intersecting sub-gratings  Hideaki Okayama
6469824	US	02/02/2001	Bi-directional pumped optical fiber amplifier with fault detection means and novel pump control  Akira Sasaki
6665467	US	03/21/2001	Optical wavelength filter  Hideaki Okayama
6470112	US	07/11/2001	Lightwave system  Hideaki Okayama
JP3776900	JP	08/01/2003	Optical output level controller for optical wavelength multiplexer  Toshiaki Mukojima

(b) all patents and patent applications (i) to which any of the Patents directly or indirectly claims priority, and/or (ii) for which any of the Patents directly or indirectly forms a basis for priority;

(c) all reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, registrations of any item in any of the foregoing categories (a) and (b);

(d) all foreign patents, patent applications, and counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;

(e) all items in any of the foregoing in categories (b) through (d), whether or not expressly listed as Patents below and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like;

(f) all inventions, invention disclosures, and discoveries described in any item in any of the Patents and/or any of the foregoing categories (b) through (e);

(g) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing

categories (a) through (f), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;

(h) all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents and/or any item in any of the foregoing categories (b) through (g), including, without limitation, all causes of action and other enforcement rights for

- (i) damages,
- (ii) injunctive relief, and
- (iii) any other remedies of any kind

for past, current, and future infringement; and

(i) all rights to collect royalties and other payments under or on account of any of the Patents and/or any item in any of the foregoing categories (b) through (h);

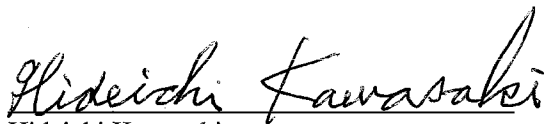
Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at Tokyo, Japan on May 11, 2012.

**ASSIGNOR:**

**Oki Electric Industry Co., Ltd.**

By: 

Name: Hideichi Kawasaki

Title: President and Representative Director

(Signature *MUST* be attested)



### ATTESTATION

The undersigned witnessed the signature of Hideichi Kawasaki to the above Assignment of Patent Rights on behalf of Assignor and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Hideichi Kawasaki is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on May 11, 2012, to execute the above Assignment of Patent Rights on behalf of Assignor.
3. Hideichi Kawasaki subscribed to the above Assignment of Patent Rights on behalf of Assignor.

I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

EXECUTED on May 11, 2012

Kenichi Tamura

Print Name: Kenichi Tamura