

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Chen-Kuo Sun	03/08/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Titan Photonics
<b>Street Address:</b>	48501 Warm Springs Blvd., #106
<b>City:</b>	Fremont
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94539
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13045250
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(619)688-1322
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	619-688-1300
<b>Email:</b>	email@nydegger.com
<b>Correspondent Name:</b>	Nydegger & Associates
<b>Address Line 1:</b>	348 Olive Street
<b>Address Line 4:</b>	San Diego, CALIFORNIA 92103
<b>ATTORNEY DOCKET NUMBER:</b>	11576.3
<b>NAME OF SUBMITTER:</b>	Neil K. Nydegger
<b>Total Attachments: 2</b> source=Assignment#page1.tif source=Assignment#page2.tif	

OP \$40.00 13045250

ASSIGNMENT

I, Chen-Kuo Sun, of 3347 Vista Rocosa, Escondido, California 92029, have invented a method and apparatus entitled SUB-OCTAVE RF STACKING FOR OPTICAL TRANSPORT AND DE-STACKING FOR DISTRIBUTION, hereinafter called the "invention."

Preferred embodiments of said invention are disclosed in a United States patent application executed concurrently herewith by me and now identified as File No. 11576.3 of the law firm of Nydegger & Associates, 348 Olive Street, San Diego, California 92103, and filed in the United States Patent and Trademark Office as Serial No. 13/ 045,250 filed March 10, 2011. (I hereby authorize the attorneys of Nydegger & Associates to insert said serial number and filing date when known.)

The Assignee, TITAN PHOTONICS, a corporation of the State of California, having a principal place of business at 48501 Warm Springs Blvd. #106, Fremont, California 94539, desires to secure the entire right, title and interest in said invention.

For good and valuable consideration paid to me by the Assignee, the receipt and sufficiency of which I hereby acknowledge, I HEREBY ASSIGN TO THE ASSIGNEE:

The entire right, title and interest in said invention in the above-identified United States patent application and in all divisions and continuations of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing thereon in the United States and Foreign countries.

The right to file foreign patent applications on said invention in its own name, wherever such right may be legally exercised, including the right to claim the benefits of the International Convention for such applications.

I hereby authorize and request the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all patents on said invention to the Assignee as the owner of the entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives.

I hereby agree, without further consideration and without expense to me, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of me to make this Assignment fully effective, including, by way of example but not of limitation, the following:

Prompt execution of all original, divisional, substitute, reissue, and other United States and foreign patent applications on said invention, and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of my ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension, or infringement proceedings involving said invention.

This assignment and agreement shall be binding upon my heirs and legal representatives.

  
Chen-Kuo Sun

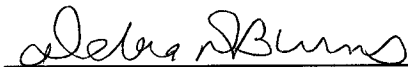
**ACKNOWLEDGMENT**

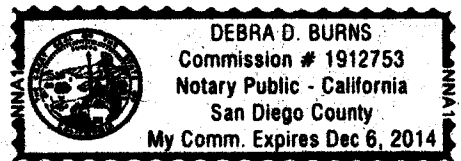
STATE OF CALIFORNIA )  
                                  ) ss.  
COUNTY OF SAN DIEGO)

On March 8, 2011, before me, Debra D. Burns, Notary Public, personally appeared Chen-Kuo Sun, who proved to me on the basis of satisfactory evidence to be the person(s) whose name (s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

 (Seal)



NKN:ddb  
Docket: 11576.3