

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Ruey-Jen Hwu	02/28/1998
XuDong Wang	02/28/1998
<b>RECEIVING PARTY DATA</b>	
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<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Patent Number:	6219187
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NAME OF SUBMITTER:	Guy K. Clinger
Total Attachments: 2 source=INOS.003602 Assignment 1#page1.tif source=INOS.003602 Assignment 1#page2.tif	

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**PATENT**  
**REEL: 025204 FRAME: 0173**

WHEN RECORDED RETURN TO:

Docket No: 6300.71

Workman, Nydegger & Seeley  
1000 Eagle Gate Tower  
60 East South Temple  
Salt Lake City, Utah 84111

## A S S I G N M E N T

We, Ruey-Jennifer Hwu and XuDong Wang, of 3767 East Brockband Drive, Salt Lake City, Utah 84124, and 900 East 144 South #7, Salt Lake City, Utah 84102, respectively, have invented a method and apparatus entitled LASER BEAM COUPLER, SHAPER AND COLLIMATOR hereinafter called the "invention."

Preferred embodiments of said invention are disclosed in a United States patent application executed concurrently herewith by us and now identified as File No. 6300.71 of the law firm of Workman, Nydegger & Seeley, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, Utah 84111, and filed in the United States Patent and Trademark Office as Serial No. 08/990,375 on December 15, 1997 using Express Mail Label No. EM156132402US.

The Assignee, The University of Utah, an institution of higher education of the State of Utah, having a principal place of business at 421 Wakara Way, Suite 170, Salt Lake City, UT 84108, desires to secure the entire right, title and interest in said invention.

In consideration of One Dollar (\$1.00) and other good and valuable consideration paid to us by the Assignee, the receipt and sufficiency of which we hereby acknowledge, WE 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, continuations and continuations-in-part 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.

We 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 behalf of the said Assignee, its successors, assigns and legal representatives.

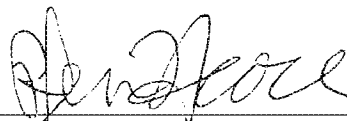
We hereby agree, without further consideration and without expense to us, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of us to make this Assignment fully effective, including, by way of example but not of limitation, the following:

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

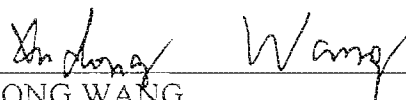
This assignment and agreement shall be binding upon our heirs and legal representatives.

Dated this 28 day of February, 1998.



RUEY-JENNIFER HWU

Dated this 28 day of February, 1998.



XUDONG WANG

A:16300-71.ASN