Form PTO-1595 (Rev. 08/08)

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Heinrich G. Muller	Name: The Aerospace Corporation
	Internal Address:
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3. Nature of conveyance/Execution Date(s):	Street Address: 2350 E. El Segundo Boulevard
Execution Date(s) 11/18/2004  X Assignment Merger	
X Assignment Merger  Security Agreement Change of Name	Mail Stop M1/040
Joint Research Agreement	City: El Segundo
Government Interest Assignment	State: CA
Executive Order 9424, Confirmatory License	Country: United States Zip:90245
Other	Additional name(s) & address(es) attached? Yes X No
Application or patent number(s):      A. Patent Application No.(s) 10/999,885	s document is being filed together with a new application.  B. Patent No.(s) 7,099,074
7 1 diani / ppiloditati 140.(d) 10/000,000	o. Fatent No.(s) 7,099,074
Additional numbers attached? Yes X No	
5. Name and address to whom correspondence	6. Total number of applications and patents
concerning document should be malled:	Involved: 1
Name <u>: Carole A. Mulchi</u> nski	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
The Aerospace Corporation	
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Street Address: 2350 E. El Segundo Boulevard	None required (government interest not affecting title)
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City: El Segundo	Deposit Account Number <u>01-0428</u>
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Phone Number: <u>310-336-6709</u>	Authorized User Name <u>Derrick Michael Reid</u>
Fax Number: <u>310-336-0285</u>	
Email Address: carole a mutchinskl@aero.org	
Hard Doll	
9. Signature: Derrick Michael Reid	December 7, 2008
Signature	Date Total number of pages including cover
Derrick Michael Reid  Name of Person Signing	sheet, attachments, and documents: 3
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**PATENT** 

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## ASSIGNMENT OF PATENT RIGHTS OF AN INVENTION

FOR U.S. Rights and Foreign Rights for a U.S. Patent Application

First Named Inventor: Heinrich G. Muller Attorney Docket Number: D529.

Title: Side-pumping Laser and Optical Fiber System

WHEREAS: In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

THE ASSIGNOR(S):

1st Named Inventor: Heinrich G. Muller

Street Address: 5519 Bayridge Road

City, State, Zip, USA: Rancho Palos Verdes, CA 90275

HERESY sells, assigns, grants, and transfers unto the ASSIGNEE:
The Aerospace Corporation, M1/040, 2350 East El Segundo Boulevard,
El Segundo, CA 90245, USA, and the successors, assigns and legal
representatives of the ASSIGNEE the entire right, title, and interest for
the United States and its territorial possessions and in all foreign
countries, including all rights to claim priority, in and to any and all
improvements which are disclosed in the above entitled invention, and
which is found in (37 C.F.R. Section 3.21) U.S. patent application
executed herewith and any legal equivalent thereof in a foreign country,
including the right to claim priority and, in and to, all Letters Patent
to be obtained for said invention by the above application or any
continuation, division, renewal, or substitute thereof, and as to letters
patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

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PATENT

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: 11/18 04 Signature: Heinrich Mully

1st Named Inventor's Name: Reinrich G. Muller

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PTO/\$B/97 (05-08)

Approved for use through 09/30/2008, OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Date Assignment – 2 pages
Serial No. 10/999,885

Serial No. 10/999,88 Docket No. 0-529

DOCKELING. D-529

Signature

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Registration Number, if applicable

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