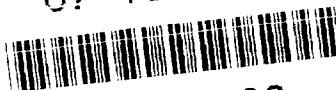


07-18-2003

Form PTO-1595
(Rev. 03/01)
OMB No. 0651-0027 (exp. 5/31/2002)

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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

1. Name of conveying parties:

Alireza Gharavi

6-25-03

Additional name(s) of conveying party(ies)
attached?

☐ Yes☒ No

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: June 20, 2003

2. Name and address of receiving party

Name: Trans Photonics, L.L.C.

Internal Address:

Street Address:

2201 W. Campbell Park Drive

City: Chicago

State: IL

Zip: 60612-3501

Additional name(s) &
address(es) attached:

☐ Yes ☒ No

4. Application number(s) or patent number(s):

10606132

If this document is being filed together with a new application, the execution date of the new application is: June 25, 2003

A. Patent Application No.:
unassigned

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Mark H. Hopkins
MARSHALL, GERSTEIN & BORUN

Internal Address: Atty. Dkt.: 29634/38405-A

Street Address:
233 S. Wacker Drive, Suite 6300
Sears Tower

City:
Chicago

State: IL Zip: 60606-6357

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41)

\$ 40.00

☒ Enclosed☐ Authorized to be charged to deposit account

☐ Authorized to be charged to credit card
(Form 2038 enclosed)

8. Deposit account number:

13-2855

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Audrey L. Bartnicki 40,499
Name of Person Signing

Signature

June 25, 2003

Total number of pages including cover sheet, attachments, and documents: 3

16015 U.S. PTO
10/606132

06/25/03

13-2855-2 REBRANT 00000027 10606132

06/25/03

40.00 00

ASSIGNMENT

Serial No: Unassigned
Filed: June 25, 2003
Title: GRATING-AND POLYMER-BASED OPTICAL ATTENUATORS AND MODULATORS

For ten dollars (\$10.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assigns to, Trans Photonics, LLC, a Delaware corporation, located at 2201 W. Campbell Park Drive, Chicago, IL 60612-3501, (hereinafter "assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, executed by the undersigned, and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the execution date and/or filing date and serial number of said application when officially known.

The undersigned warrants himself to be the owner of the interest herein assigned and to have the right to make this assignment and further warrants that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned.

For said consideration the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation, continuation-in-part and substitute applications for said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns, may deem necessary or expedient, and for said consideration the undersigned further agrees upon the request of said assignee, its successors or assigns, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned with said assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in said assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by said assignee, its 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 and enjoyed by the undersigned if this assignment and sale had not been made.

WITNESS my hand this 20th day of June, 2003.

Alireza Gharavi
Alireza Gharavi

State of Illinois }
County of Cook } SS

On this 20th day of June, 2003 before me, a Notary Public in and for the County and State aforesaid, appeared Alireza Gharavi, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires: 8/14/06

Kenneth Scheiwe

Notary Public

