Client Code: OPTRES.006A RECC	10-11-2002 10-10-02
TO THE ASSISTANT COMMISSIONER FOR PATL.	102247578 A case record the attached original documents or copy thereof.
 Name of conveying party(ies): (If multiple assignors, list numerically) James P. McGuire, Jr. Additional name(s) of conveying party(ies) attached? Yes No 	 2. Name and address of receiving party(ies): Name: OPTICAL RESEARCH ASSOCIATES Internal Address: Suite 300 Street Address: 3280 East Foothill Boulevard City: Pasadena State: CA ZIP: 91107-3103 Additional name(s) of receiving party(ies) attached? () Yes (X) No
3. Nature of conveyance:	 Application number(s) or Patent number(s):
 (X) Assignment () Merger () Security Agreement () Change of Name () Other: Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated I above) August 23, 2002 	 () Application(s) filed herewith Execution Date(s): (X) Patent Application No.: 10/178,935 Filing Date: June 20, 2002 () Patent No.: Issue Date: in Additional numbers attached? () Yes (X) No
 Name and address of party to whom correspondence concerning document should be mailed: Name: Mark J. Gallagher KNOBBE, MARTENS, OLSON & BEAR, LLP Customer No. 20,995 Internal Address: Fourteenth Floor Street Address: 2040 Main Street City: Irvine State: CA ZIP: 92614 Attorney's Docket No.: OPTRES.006A Total number of applications and patents involved: 1 	 7. Total fee (37 CFR 1.21(h)): \$40 (X) Enclosed () Authorized to be charged to deposit account, 8. Deposit account number: 11-1410 Please charge this account for any additional fees which may be required, or credit any overpayment to this account,
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. 10/07/02 Date

Mark J. Gallagher Name of Person Signing

43,622 Registration No.

Total number of pages including cover sheet, attachments and document: 2

40.00 DP

Signature

Mail documents to be recorded with required cover sheet information to:

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U.S. Patent and Trademark Office Attn: Assignment Division Crystal Gateway-4 1213 Jefferson Davis Highway, Suite 320 Arlington, VA 22202

ASSIGNMENT

WHEREAS, I, James P. McGuire, Jr., a United States of America citizen, residing at 1720 Kaweah Drive, Pasadena, CA 91105, have invented certain new and useful improvements in a REDUCING ABERRATION IN OPTICAL SYSTEMS COMPRISING CUBIC CRYSTALLINE OPTICAL ELEMENTS for which I have filed an application for Letters Patent in the United States, Application No. 10/178,935, filed June 20, 2002;

AND WHEREAS, OPTICAL RESEARCH ASSOCIATES (hereinafter "ASSIGNEE"), a California Corporation, with its principal place of business at 3280 East Foothill Boulevard, Suite 300, Pasadena, CA 91107-3103, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set m	y hand and seal this 23 day of $4nsnst$, 2002
	//~
. A	James P. McGuire, Jr.
TE OF CALIFORNICE	

COUNTY OF LOS Augeles } ss.

On $\underline{A_{116115} + 33,2003}$ before me, $\underline{\int e_{M15} e_{M15} + 504ke}$, personally appeared James P. McGuire, Jr. personally known to me (or 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 they executed the same in their authorized capacity(ise), and that by their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

[SEAL]	WITNESS my band and official seel DENISE P. SONKE Commission # 1208959 Notary Public - California Los Angeles County My Comm. Expires Jan 23, 2003	Notary Signature
	MIQ.MIQ2 Service - Servi	

PATENT REEL: 013360 FRAME: 0471

RECORDED: 10/10/2002