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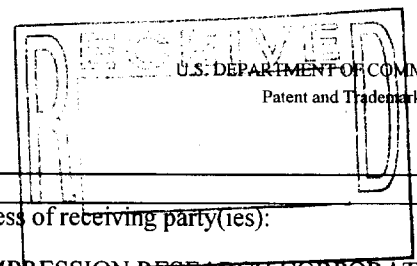
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1. Name of conveying party(ies): David M. Giorgi	2. Name and address of receiving party(ies): ENERGY COMPRESSION RESEARCH CORPORATION 6355 Nancy Ridge Drive San Diego, California 92121
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Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:
☒ Assignment ☐ Merger
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☐ Other:

Execution Date: December 3, 1998

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

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

A. Patent Application No.(s) 09/156,458	B. Patent No.(s)
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Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Iain A. McIntyre Address: Merchant & Gould P.C. 3100 Norwest Center 90 South Seventh Street Minneapolis, MN 55402-4131	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41): \$40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account 8. Please charge any additional fees or credit any overpayments to our Deposit account number: 13-2725
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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.

Iain A. McIntyre		June 30, 1999
Name of Person Signing	Signature	Date

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

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ASSIGNMENT

WHEREAS, we, Oved S.F. Zucker, residing at 2043 DeMayo Road, Del Mar, California 92014 and David M. Giorgi, residing at 616 North Granados Avenue, Solana Beach, California 92075, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on September 18, 1998, application Serial No. 09/156,458 which is entitled OPTICALLY CONTROLLED THYRISTOR.

AND WHEREAS, ENERGY COMPRESSION RESEARCH CORPORATION, a corporation organized and existing under and by virtue of the laws of the State of California, and having an office and place of business at 6355 Nancy Ridge Drive, San Diego, California 92121 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be

IN TESTIMONY WHEREOF, I have hereunto set my hand this 3rd day of

December, 1998.

David M. Giorgi
David M. Giorgi

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

On this 3rd day of December, 1998, before me personally appeared David M. Giorgi to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]

David M. Giorgi
Notary Public

