

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Andrew M. Hawryluk</td> <td>07/06/2013</td> </tr> <tr> <td>Arthur W. Zafiropoulo</td> <td>07/11/2013</td> </tr> </tbody> </table>		Name	Execution Date	Andrew M. Hawryluk	07/06/2013	Arthur W. Zafiropoulo	07/11/2013				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Ultratech, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>3050 Zanker Road</td> </tr> <tr> <td>City:</td> <td>San Jose</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95134</td> </tr> </table>		Name:	Ultratech, Inc.	Street Address:	3050 Zanker Road	City:	San Jose	State/Country:	CALIFORNIA	Postal Code:	95134
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
Fax Number: <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 941-378-2744 Email: JG@OPTICUS-IP.COM Correspondent Name: OPTICUS IP LAW, PLLC Address Line 1: 7791 ALISTER MACKENZIE DRIVE Address Line 4: SARASOTA, FLORIDA 34240											
NAME OF SUBMITTER:	Joseph E. Gortych										
Signature:	/Joseph E. Gortych/										
Date:	07/12/2013										
Total Attachments: 2 source=US257_ASSIGNMENT_EFS#page1.tif source=US257_ASSIGNMENT_EFS#page2.tif											

OP \$40.00 13933355

**ASSIGNMENT OF RIGHTS, TITLE AND INTEREST IN INVENTION**

This is an assignment of the followings rights, title and interest:

- United States of America rights, title and interest in the invention
- Foreign rights, title and interest in the invention throughout the world.
- United States Patent Application Serial No. 13/933,355

Filing date: July 02, 2013

**TITLE OF THE INVENTION:**

<b>BETAVOLTAIC POWER SOURCES FOR TRANSPORTATION APPLICATIONS</b>
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**INVENTORS (Assignors):**

NAME	ADDRESS
1) Arthur W. ZAFIROPOULO	148 Austin Avenue, Atherton, CA 94027
2) Andrew M. HAWRYLUK	10645 Eloise Circle, Los Altos Hills, CA 94024

**ASSIGNEE**

NAME	ADDRESS
ULTRATECH, INC.	3050 ZANKER ROAD SAN JOSE, CA 95134 USA

WHEREAS, I/WE, the above identified inventor(s), have invented certain new and useful improvements in the invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as the "Invention");

AND WHEREAS I/WE desire to assign my/our above-identified rights, title and interest in the Invention to the above-identified Assignee;

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/WE as the Assignor(s) identified above hereby assign, sell and transfer our above-identified rights, title and interest in the Invention, including any divisionals, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or haven been granted for the Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all proprietary rights, Convention rights, and other benefits accruing or to accrue to me/us with respect to filing and/or prosecuting applications for patents or securing patents in the United States and countries foreign thereto, unto the Assignee;


AND I/WE hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patents that may issue for the Invention to the Assignee of the whole right, title and interest thereto;

AND I/WE further agree to take any oaths and to sign and execute all necessary and lawful future documents in connection with filing and/or prosecuting applications for U.S. and foreign patents, divisionals, continuations and continuations-in-part of applications for patent and/or for obtaining any reissue or reexamination of any Letters Patent that may be granted for the Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense, and generally to do everything possible to aid the Assignee, its successors and assigns, as Assignee deems necessary to obtain and enforce proper protection for the Invention in the United States and its territorial possessions and in any and all foreign countries.

Date: July 11, 2013

Signed:   
Arthur W. ZAFIROPOULO

Date: July 6, 2013

Signed:   
Andrew M. HAWRYLUK