


Form PTO-1595 (Rev. 07/05)  
OMB No. 0651-0027 (exp. 6/30/2008)

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

|   |  |                  |
|---|--|------------------|
| <b>MR</b>   | <b>RECORDATION FORM COVER SHEET</b><br><b>PATENTS ONLY</b>   | <b>S-140,048</b> |
| To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.   |  |                  |
| <b>1. Name of conveying party(ies)</b><br>CERAMATEC, INC.<br>2425 SOUTH 900 WEST<br>SALT LAKE CITY, UT 84119-1628<br>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   | <b>2. Name and address of receiving party(ies)</b><br>Name: <u>United States Department of Energy</u><br>Internal Address: _____<br>_____<br>Street Address: <u>1000 Independence Ave., S.W</u><br>_____<br>City: <u>Washington</u><br>State: <u>D.C.</u><br>Country: <u>USA</u> Zip: <u>20585</u><br>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                  |
| <b>3. Nature of conveyance/Execution Date(s):</b><br>Execution Date(s) <u>01/19/2015</u><br><input type="checkbox"/> Assignment <input type="checkbox"/> Merger<br><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name<br><input type="checkbox"/> Joint Research Agreement<br><input type="checkbox"/> Government Interest Assignment<br><input checked="" type="checkbox"/> Executive Order 9424, Confirmatory License<br><input type="checkbox"/> Other _____  | <b>4. Application or patent number(s):</b> <input type="checkbox"/> This document is being filed together with a new application.<br>A. Patent Application No.(s)<br><u>12/576,977</u><br>B. Patent No.(s)<br><u>8,728,295</u><br>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |                  |
| <b>5. Name and address to whom correspondence concerning document should be mailed:</b><br>Name: <u>James B. Potts</u><br>Internal Address: <u>U. S. Dept. of Energy, IPLD</u><br>_____<br>Street Address: <u>9800 S. Cass Ave</u><br>_____<br>City: <u>Argonne</u><br>State: <u>IL</u> Zip: <u>60439</u><br>Phone Number: <u>630-252-2166</u><br>Fax Number: <u>630-252-2779</u><br>Email Address: <u>Confirmatory.License@ch.doe.gov</u>  | <b>6. Total number of applications and patents involved:</b> <u>1</u><br><b>7. Total fee (37 CFR 1.21(h) &amp; 3.41)</b> \$ _____<br><input type="checkbox"/> Authorized to be charged by credit card<br><input type="checkbox"/> Authorized to be charged to deposit account<br><input type="checkbox"/> Enclosed<br><input checked="" type="checkbox"/> None required (government interest not affecting title)    |                  |
| <b>8. Payment Information</b><br>a. Credit Card Last 4 Numbers _____<br>Expiration Date _____<br>b. Deposit Account Number _____<br>Authorized User Name _____  |  |                  |
| <b>9. Signature:</b> _____<br><div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <br/>           Signature         </div> <div style="text-align: center;"> <u>8/3/15</u><br/>           Date         </div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: center;"> <u>James B. Potts #58316</u><br/>           Name of Person Signing         </div> <div style="text-align: center;">           Total number of pages including cover sheet, attachments, and documents: <span style="border: 1px solid black; padding: 2px 10px;">2</span> </div> </div> |  |                  |

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1480, Alexandria, V.A. 22313-1480

**Department of Energy****Office of Science**[science.energy.gov/isc/services/legal/](http://science.energy.gov/isc/services/legal/)**CONFIRMATORY LICENSE**

Title of Invention: Apparatus and Method for Reducing an Alkali Metal Electrochemically at a Temperature Below the Metal's Melting Temperature  
Inventor(s): John Howard Gordon, Ashok V. Joshi  
Patent Application Serial No: 12/576,977  
Patent Number: 8,728,295  
Filing Date: 10/09/2009  
Issue Date: 05/20/2014  
Name of Contractor (i.e. Contractor, Subcontractor, Grant, or Cooperative Agreement, as applicable):  
Name of Contractor: Ceramtec, Inc.  
DOE Contract No. (i.e. Contract, Subcontract, Grant, or Cooperative Agreement, as applicable):  
DE-FE0000408  
DOE Case No.: S-140,048  
Contractor Docket No.: 5000.2.36

The Contractor has reported the above-identified invention as a Subject Invention to DOE and has elected to retain title thereto.

Accordingly, this document is confirmatory of the nonexclusive, nontransferable, irrevocable, paid-up, worldwide license in this subject invention, patent application and any resulting patent, including any continuation, divisional, reissue, or supplemental application thereof, to practice or to have practiced for or on behalf of the United States throughout the world; and of all other rights acquired by the Government by the patent rights clause in the above-identified contract.

It is understood and agreed that this license does not preclude the Government from asserting rights under the provisions of said contract or of any other agreement between the Government and the Contractor, or from asserting any other rights of the Government with respect to the above-identified subject invention.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed on: 1/19/2015

Contractor Name Ceramtec, Inc.  
Official's Name David B. Fonda  
Official's Title Patent Counsel  
Business Address 2425 South 900 West, Salt Lake City, Utah 84119