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To the Director of the U.S. Patent and

To the Director of the U.S. Patent and Trademark Office, the attached documents or the new address(es) below.

1. Name of conveying party(ies)

GLENN E. HOFFMAN

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 01-21-2010

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Joint Research Agreement☐ Government Interest Assignment☐ Executive Order 9424, Confirmatory License☐ Other

2. Name and address of receiving party(ies)

Name: CARDERO RESOURCE CORPORATION

Internal Address: _____

Street Address: #1920-1188 W. GEORGIA STREETCity: VANCOUVERState: BRITISH COLUMBIACountry: CANADAZip: V6E 4A2Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: RALPH H. DOUGHERTY

Internal Address: _____

Street Address: 4219 KRONOS PLACECity: CHARLOTTEState: NCZip: 28210Phone Number: 704-940-3988Fax Number: 704-940-3989Email Address: ralph@ralphdougherty.com

6. Total number of applications and patents

involved: ONE7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00☐ Authorized to be charged to deposit account☒ Enclosed☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number _____

Authorized User Name _____

9. Signature:

Signature

22 JANUARY 2010

Date

RALPH H. DOUGHERTY

Name of Person Signing

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

2

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 1450, Alexandria, V.A. 22313-1450PATENT
REEL: 023862 FRAME: 0804

Attorney's Docket No. 4923

ASSIGNMENT

In consideration of the sum of ten dollars (\$10.00) and other good and valuable considerations paid to the undersigned, the undersigned GLENN E. HOFFMAN, of Lancaster, South Carolina, agrees to assign, and hereby does assign, transfer and set over to CARDERO RESOURCE CORPORATION, 1901-1177 West Hastings Street Vancouver, B.C. Canada V6E, a corporation of British Columbia, Canada, (hereinafter "Assignee") the entire right, title and interest for the United States of America, its territories, dependencies and possessions, and all foreign countries, in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

DIRECT SMELTING OF ZINC BEARING COMPOUNDS TO PRODUCE METALLIC ZINC

for which the undersigned has executed/filed an application for patent in the United States of America on _____

Serial No. _____

1) The undersigned agrees to execute all papers necessary in connection with the application and any continuing or divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient or essential to its full protection and title in and to the invention hereby transferred.

2) The undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

4) The undersigned agrees to communicate to the Assignee or representatives thereof any facts known to me respecting the invention and improvements thereof, and will, upon request, but without expense to me, testify in any legal proceedings regarding the invention.

5) The undersigned hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has full right to convey the entire interest herein assigned, and that he has not executed and will not execute, any agreement in conflict herewith.

6) The undersigned hereby grants the firm of RALPH H. DOUGHERTY, P.A. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

7) This Agreement shall be binding upon my heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns of the Assignee.

IN WITNESS WHEREOF, this Assignment was executed by the undersigned on the date opposite the undersigned name.

Date 1-21-2010 Inventor Glenn E. Hoffman Witness Lawrence W. Talbot
GLENN E. HOFFMAN

WITNESS AS TO EXECUTION ONLY.
NO ADVICE SOUGHT OR GIVEN.

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