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### RECORDATION FORM COVER SHEET PATENTS ONLY

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

**1. Name of conveying party(ies)**  
SPACHNER, Sheldon A.  
  
Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**  
Name: Metals Production Research, Inc.  
Internal Address: \_\_\_\_\_

**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s) December 11, 2006  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

Street Address: 17 Country Village Way  
  
City: Media  
State: PA  
Country: US Zip: 19063  
Additional 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)  
11/581,556


B. Patent No.(s)  
  
Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**  
Name: Mark A. Garzia, Esquire  
Internal Address: Law Offices of Mark A. Garzia, P.C.  
Street Address: 2058 Chichester Avenue  
City: Boothwyn  
State: PA Zip: 19061  
Phone Number: (610) 485-9400  
Fax Number: (610) 485-7660  
Email Address: mark@patentcounsel.net

**6. Total number of applications and patents involved:** 1

**7. Total fee (37 CFR 1.21(h) & 3.41)** \$ 40.00  
 Authorized to be charged by credit card  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**  
a. Credit Card Last 4 Numbers 3757  
Expiration Date 04/07  
b. Deposit Account Number \_\_\_\_\_  
Authorized User Name \_\_\_\_\_

**9. Signature:**   
Signature

December 12, 2006  
Date

Mark A. Garzia (Reg. No. 35,517)  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 6

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. 22313-1450

OP \$40.00 11581556

**PATENT****Atty. Docket: MPRI-P2-US****ASSIGNMENT**

I, the undersigned, Sheldon A. Spachner, a U.S. citizen, residing at 17 Country Village Way, Media, PA 19063, hereby declare that I am the sole inventor of the inventions relating to a PROCESS FOR RECOVERING TITANIUM described in an application for Letters Patent of the United States of America, identified as Application No. 11/581,556, filed October 16, 2006;

WHEREAS, METALS PRODUCTION RESEARCH, INC., a Pennsylvania corporation, with a principal place of business located at 17 Country Village Way, Media, PA 19063, duly organized and existing under the laws of the United States of America, is desirous of acquiring the entire right, title, and interest in and to said inventions, in and to said U.S. application, in and to any and all Letters Patent which may be granted on or as a result thereof in the United States of America, in and to all applications for patent or the equivalents thereto in all countries foreign to the United States of America, and in and to any and all patents or the equivalents thereto which may be granted on as a result thereof in any country foreign to the United States of America;

NOW, THEREFORE, in consideration of One Dollar (US \$1.00) and of other good and valuable consideration, the receipt, adequacy and sufficiency of which is hereby acknowledged, I, intending to be legally bound, do hereby sell, assign, transfer and set over to METALS PRODUCTION RESEARCH, INC. (hereinafter referred to as "Assignee"), my entire right, title, and interest in and to said inventions for the United States of America, its territories and possessions, and for all countries foreign to the United States of America, in and to said U.S. application and any and all continuations, divisions and renewals of and substitutes for said application, in and to any and all Letters Patents which may be granted on or as a result thereof in the United States of America, and any reissue or reissues or extension or extensions of said Letters Patent, in and to all applications for patent or equivalent forms of protection thereof in all countries foreign to the United States of America, and in and to all patents or foreign equivalents which may be granted or that may issue as a result thereof in all countries foreign to the United States of America;

I hereby covenant that I have full right to convey the entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith;

I authorize the Assignee, its successors, assigns, nominees and legal representatives, to make application for patent or other form of protection for said inventions in its or their own name, or in my name, in any and all countries, the same to be held and enjoyed by the Assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said patent or other form of protection respectively may be granted, reissued, or extended, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale, and transfer not been made;

I further authorize Assignee, its successors, assigns, nominees and legal representatives to invoke and claim for any application for patent, any foreign equivalent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me;

I further covenant and agree that I will, each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions, said applications for patent, the foreign equivalents or other forms of protection, and any Letters Patent or foreign equivalent that may issue, to the Assignee, its successors, assigns, nominees or legal representatives, and I agree to communicate to the Assignee, its successors, assigns, nominees or legal representatives, all known facts respecting said inventions, said applications for patent, foreign equivalents or other forms of protection, and said Letters Patent or foreign equivalent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue, and foreign applications, to make all rightful oaths, and generally to do everything possible to aid the Assignee, its successors, assigns, nominees, and legal representatives to obtain and enforce for its or their own benefit proper patent protection or foreign equivalent for said inventions or improvements in any and all countries, all without charge to, but at the expense of, the Assignee, its successors, assigns, nominees or legal representatives;

In the event Assignee is unable for any reason whatsoever to secure my signature to any lawful and necessary documents required, including those necessary to assign, to make application for, or to prosecute any United States application for Letters Patent or any foreign equivalents, I hereby irrevocably designate and appoint Assignee and its duly authorized officers and agents, its successors, assigns, nominees and legal representatives, as agent and attorney-in-fact, to act for and in my behalf and stead, to execute and file any such application and to do all other lawfully permitted acts to further the assignment, prosecution, and issuance of said patent, all foreign equivalents and other forms of protection thereof with the same legal force and effect as if executed by me. I hereby waive and quitclaim to Assignee any and all claims of any nature whatsoever which I may now have or may hereafter have for infringement of any patent, any foreign equivalent and/or any other forms of protection resulting from any such application;

I hereby consent that a copy of this Assignment shall be deemed a full, legal, and formal equivalent of any Assignment, consent to file or like document, which may be required in any country for any purpose, and more particularly, in proof of the right of the Assignee, its successors, assigns, nominees or legal representatives, to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it;

I hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and any official of any country or countries foreign to the United States of America whose duty it is to issue patents or foreign equivalents on applications as aforesaid, to issue to the Assignee, as assignee of the entire right, title, and interest, any and all Letters Patent or foreign equivalent for said inventions, including any and all Letters Patent of the United States

of America which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this Assignment.

IN WITNESS WHEREOF and intending to be legally bound hereby, I have executed this Assignment for the purposes set forth herein.

Sole Inventor Sheldon A. Spachner  
Sheldon A. Spachner

12/11/06  
Date

State of Pennsylvania :  
: ss  
County of Delaware :

This 11 day of Dec 2006, before me personally came the above-named Sheldon A. Spachner, known as the individual who executed the foregoing Assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Witness my hand and Notarial seal the day and year immediately above-written.

George D. Madonna  
Notary Public

