

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE BY SECURED PARTY
CONVEYING PARTY DATA	
Name	Execution Date
Wells Fargo National Association	09/09/2010
RECEIVING PARTY DATA	
Name:	Titanium Hearth Technologies, Inc.
Street Address:	3 Lincoln Centre, 5430 LBJ Freeway, Suite 1700
City:	Dallas
State/Country:	TEXAS
Postal Code:	75240
PROPERTY NUMBERS Total: 3	
Property Type	Number
Patent Number:	5291940
Patent Number:	5171357
Patent Number:	5922273
CORRESPONDENCE DATA	
Fax Number:	(212)303-2754
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	2124158600
Email:	bschurter@lockelord.com
Correspondent Name:	Brandon T. Schurter
Address Line 1:	3 World Financial Center
Address Line 2:	Locke Lord Bissell & Liddell
Address Line 4:	New York, NEW YORK 10281
ATTORNEY DOCKET NUMBER:	0589241.00017
NAME OF SUBMITTER:	Brandon T. Schurter
Total Attachments: 5 source=THT-Termination#page1.tif	

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**RELEASE AND TERMINATION OF
PATENT COLLATERAL ASSIGNMENT AND SECURITY AGREEMENT**

TO ALL WHOM IT MAY CONCERN:

This Release and Termination Agreement ("Release and Termination") refers to the Patent Collateral Assignment and Security Agreement ("Agreement") between TITANIUM HEARTH TECHNOLOGIES, INC. a Delaware Corporation ("THT") and CONGRESS FINANCIAL CORPORATION (SOUTHWEST) ("CONGRESS"), in favor of CONGRESS, as a Secured Party dated February 25, 2000, and recorded with the United States Patent and Trademark Office ("USPTO") on March 9, 2000 on Reel / Frame: 010655 / 0742. Capitalized terms used herein and not otherwise defined have the meanings ascribed to them in the Agreement.

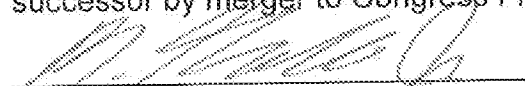
The undersigned, WELLS FARGO NATIONAL ASSOCIATION ("WELLS FARGO"), is the successor by merger to WACHOVIA BANK, NATIONAL ASSOCIATION, which is the successor by merger to CONGRESS.

THT has requested, and WELLS FARGO has agreed, to discharge the Agreement and to release the patents, license agreements, and any other security interests set forth in the Agreement and together with all exhibits, amendments, related agreements, documents, and/or instruments.

WELLS FARGO hereby releases and terminates the Agreement and all right, title and interest in the patents and license agreements which were pledged, mortgaged and/or set over to CONGRESS pursuant to the Agreement. This Release and Termination includes, but is not limited to, any and all patents, applications, registrations, and recordings described in Exhibit A of the Agreement and attached herewith, together with any reissues, divisionals, continuations, extensions, renewals, foreign filings, additional inventions, improvements, and the like not explicitly identified in Exhibit A; and further includes any licensing agreements as set forth in Exhibit B together with any related or amended licensing agreements not explicitly identified in Exhibit B.

The undersigned has executed this Release and Termination this 9th day of Sept, 2010.

WELLS FARGO NATIONAL ASSOCIATION
successor by merger to Wachovia Bank, National Association
successor by merger to Congress Financial Corporation (Southwest)



Name: M. Garcia

Title: Relationship Manager

STATE OF) TEXAS

ss.

COUNTY OF) DALLAS

On this 9th day of Sept 2010 before me, the undersigned authority, personally appeared to me MARK GATOVIC, Relationship Manager, known and known to me to be the individual who is described in and who executed the foregoing Assignment, and who duly acknowledged to me that he executed the same as his own voluntary act and deed for the uses and purposed therein specified.

Wanda J. Cave
Notary Public

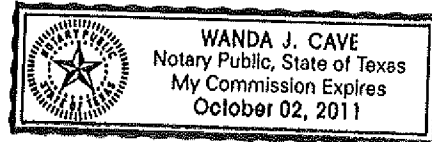


Exhibit A
TITANIUM HEARTH TECHNOLOGIES, INC.
SCHEDULE OF PATENTS
(U.S. Only)

<u>Patent</u>	<u>Owner</u>	<u>Pat. No./Ser. No.</u>	<u>Country</u>	<u>Expiration Date</u>
High Capacity Electron Beam Cold Hearth Furnace	Titanium Hearth Technologies/ A. Johnson Metals	4,823,358	U.S.A.	07/28/08
Continuous Casting of Fine Grain Ingot	Titanium Hearth Technologies/ A. Johnson Metals	4,838,340	U.S.A.	10/13/08
Cold Hearth Refining Apparatus	Titanium Hearth Technologies/ A. Johnson Metals	4,932,635	U.S.A.	07/11/08
Continuous Casting of Ingots	Titanium Hearth Technologies/ A. Johnson Metals	4,936,375	U.S.A.	10/13/08
Cold Hearth Refining	Titanium Hearth Technologies/ A. Johnson Metals	4,961,776	U.S.A.	07/11/08
Vacuum Processing of Reactive Metals	Titanium Hearth Technologies/ A. Johnson Metals	5,084,090	U.S.A.	07/19/10
Method of Operating Electron Beam Furnace	Titanium Hearth Technologies/ A. Johnson Metals	5,100,463	U.S.A.	07/19/10
Vacuum Processing of Particulate Reactive Metal	Titanium Hearth Technologies/ A. Johnson Metals	5,171,357	U.S.A.	12/16/11
Intermediate Pressure Electron Beam Furnace	Titanium Hearth Technologies/ A. Johnson Metals	5,222,547	U.S.A.	07/19/10
Static Vacuum Casting of Ingots	Titanium Hearth Technologies/ A. Johnson Metals	5,291,940	U.S.A.	09/13/11
Modular Hearth Arrangement for Cold Hearth Refining	Titanium Hearth Technologies	5,922,273	U.S.A.	09/04/17
Method and Apparatus for High Vacuum Casting	Titanium Hearth Technologies/ Demotron	4,558,729	U.S.A.	01/12/04

Continuous Casting Method and Ingot Produced Thereby (CB# 03849-06)	Titanium Hearth Technologies/ Degussa	4,641,704	U.S.A.	01/25/05
Electron Beam Furnace with Magnetic Stabilization	Titanium Hearth Technologies/ A. Johnson Metals	4,616,363	U.S.A.	05/22/05
Cold Hearth Refining	Titanium Hearth Technologies/ A. Johnson Metals	Re 32,932	U.S.A.	03/06/07
Continuous Casting Method and Ingot Produced Thereby	Titanium Hearth Technologies/ Electrometals	4,583,580	U.S.A.	09/28/04

S:\Legal\Patents\THT Schedule of Patents 1-11-00

Exhibit B

Licensing Agreements

1. License Agreement dated June 30, 1997 between Titanium Metals Corporation and Valtimet, SAS
2. License Agreement dated June 30, 1997 between LASAB Laser Applikations und Bearbeitungs, GmbH and Titanium Metals Corporation
3. License Agreement dated June 30, 1997 between Valinox Welded, SA and Valtimet, SAS
4. Technology Sublicense Agreement dated July 31, 1996 between TIMET Savoie and Compagnie Europeenne du Zirconium--CEZUS
5. US Technology Agreement dated July 31, 1996 between Titanium Metals Corporation and TIMET Savoie, SA
6. UK Technology Agreement dated July 31, 1997 between TIMET UK Ltd. and TIMET Savoie SA
7. Cross License Agreement dated June 25, 1996 between TIMET UK Ltd. and Titanium Metals Corporation (with Amendment No. 1 dated July 12, 1996)
8. Exclusive License (no given date) between Titanium Metals Corporation and United States of America, as represented by The Secretary of the Navy
9. License Agreement dated August 1, 1980 between Alcan International Limited and TIMET Division of Titanium Metals Corporation of America
10. Technology Transfer Agreement dated April 4, 1986 between Nippon Steel Corporation and Titanium Metals Corporation of America (with Amendment Nos. 1-3)
11. Agreement dated August 7, 1991 between Titanium Metals Corporation and Nippon Steel Corporation
12. Commercial Grade Zirconium Supply Agreement dated September 23, 1999 (effective May 1, 1999) between Compagnie Europeenne du Zirconium--CEZUS, SA and Titanium Metals Corporation
13. Sublicense and Technical Assistance Agreement by and between Union Titanium Sponge Corporation and Titanium Metals Corporation of America, dated May 30, 1990.
14. Settlement Agreement effective July 28, 1992 between Axel Johnson Metals, Inc. and Teledyne Industries, Inc.
15. Miscellaneous software and similar licenses (including SAP)