

## PATENT ASSIGNMENT

Electronic Version v1.1

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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>Gary E. Metius</td> <td>01/31/2012</td> </tr> <tr> <td>James M. McClelland Jr.</td> <td>01/31/2012</td> </tr> <tr> <td>David C. Meissner</td> <td>01/31/2012</td> </tr> </tbody> </table>		Name	Execution Date	Gary E. Metius	01/31/2012	James M. McClelland Jr.	01/31/2012	David C. Meissner	01/31/2012
Name	Execution Date								
Gary E. Metius	01/31/2012								
James M. McClelland Jr.	01/31/2012								
David C. Meissner	01/31/2012								
RECEIVING PARTY DATA									
Name:	MIDREX TECHNOLOGIES, INC.								
Street Address:	2725 Water Ridge Parkway								
Internal Address:	Suite 100								
City:	Charlotte								
State/Country:	NORTH CAROLINA								
Postal Code:	28217								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13363044</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13363044				
Property Type	Number								
Application Number:	13363044								
CORRESPONDENCE DATA									
Fax Number:	(704)366-9744								
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ATTORNEY DOCKET NUMBER:	5105CIP - MIDREX								
NAME OF SUBMITTER:	Christopher L. Bernard								
Total Attachments: 2 source=5105CIP_Assignment#page1.tif source=5105CIP_Assignment#page2.tif									

OP \$40.00 13363044

**ASSIGNMENT**

WHEREAS, Gary E. METIUS, James M. MCCLELLAND, Jr. and David C. MEISSNER (hereinafter referred to as "ASSIGNORS") have invented certain new and useful improvements in an invention entitled:

**SYSTEM AND METHOD FOR REDUCING IRON OXIDE TO METALLIC IRON USING COKE OVEN GAS AND OXYGEN STEELMAKING FURNACE GAS**

- for which U.S. Patent Application No. 13/363,044 was filed on 01-31-2012 ; or
- for which an application for a United States patent is being submitted to the United States Patent and Trademark Office herewith; and

WHEREAS, **MIDREX TECHNOLOGIES, INC.**, 2725 Water Ridge Parkway, Suite 100, Charlotte, North Carolina 28217, USA (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire right, title, and interest in and to said invention, and in and to said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, in accordance with obligations entered into pursuant to an Employment Agreement or other agreement and/or for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS hereby sell, transfer and assign to said ASSIGNEE, and to ASSIGNEE'S successors and assigns, ASSIGNORS' entire right, title, and interest in and to said invention and improvements invented and originated by ASSIGNORS in the United States and its territorial possessions and in any and all foreign countries and to all Letters Patent or similar legal protections in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any application claiming priority to/from the application, or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension, or reissue thereof or any legal equivalent thereof in a foreign country for the full term(s) for which the same may be granted; and authorize and request the Commissioner for Patents of the United States and any official of any foreign country whose duty it is to issue patents or legal equivalents thereof, to issue same for this invention to ASSIGNEE, its lawful successors and assigns.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention, said application, and said Letters Patent and legal equivalents thereof in foreign countries as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments, or affidavits required to apply for, obtain, maintain, issue, and/or enforce said invention, said application, and said Letters Patent and legal equivalents thereof in foreign countries which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, we have hereunto set hand and signed on the date indicated below:

INVENTOR # 1

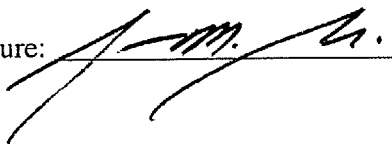
Name: GARY E. METIUS

Signature: 

Date Signed: 31 JAN 12

INVENTOR # 2

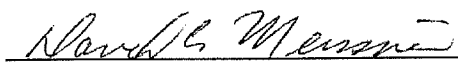
Name: JAMES M. MCCLELLAND, JR

Signature: 

Date Signed: 31 JAN 12

INVENTOR # 3

Name: DAVID C. MEISSNER

Signature: 

Date Signed: 1.31.12