

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Enos A. Axtell III</td> <td>01/20/2012</td> </tr> <tr> <td>George E. Sakoske</td> <td>01/20/2012</td> </tr> <tr> <td>Andreas Schulz</td> <td>02/10/2012</td> </tr> <tr> <td>Juergen Hanich</td> <td>02/10/2012</td> </tr> <tr> <td>Lothar Heck</td> <td>02/10/2012</td> </tr> <tr> <td>Dietrich Speer</td> <td>02/14/2012</td> </tr> <tr> <td>Martin Baumann</td> <td>03/24/2012</td> </tr> </tbody> </table>		Name	Execution Date	Enos A. Axtell III	01/20/2012	George E. Sakoske	01/20/2012	Andreas Schulz	02/10/2012	Juergen Hanich	02/10/2012	Lothar Heck	02/10/2012	Dietrich Speer	02/14/2012	Martin Baumann	03/24/2012
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RECEIVING PARTY DATA																	
<table border="1"> <tr> <td>Name:</td> <td>Ferro Corporation</td> </tr> <tr> <td>Street Address:</td> <td>6060 Parkland Boulevard</td> </tr> <tr> <td>City:</td> <td>Mayfield Heights</td> </tr> <tr> <td>State/Country:</td> <td>OHIO</td> </tr> <tr> <td>Postal Code:</td> <td>44124</td> </tr> </table>		Name:	Ferro Corporation	Street Address:	6060 Parkland Boulevard	City:	Mayfield Heights	State/Country:	OHIO	Postal Code:	44124						
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<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13377183</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13377183												
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Application Number:	13377183																
CORRESPONDENCE DATA																	
<p>Fax Number: (216)566-9711 Phone: 216-566-9700 Email: kallay@rankinhill.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Kenneth A. Clark Address Line 1: 23755 Lorain Road - Suite 200 Address Line 4: North Olmsted, OHIO 44070-2224</p>																	
ATTORNEY DOCKET NUMBER:	FER-18950.01.03																
NAME OF SUBMITTER:	Kenneth A. Clark																
Total Attachments: 1 source=fer18950assign#page1.tif																	

CH \$40.00 13377183

ASSIGNMENT

For good and valuable consideration received of the hereinafter named assignee, receipt of which is hereby acknowledged, we the undersigned, Enos A. Axtell, III, George E. Sakoske, Andreas Schulz, Juergen Hanich, Lothar Heck, Dietrich Speer and Martin Baumann, hereby sell and assign to Ferro Corporation, a corporation of the State of Ohio, having a place of business at 6060 Parkland Boulevard, Mayfield Heights, Ohio 44124, its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the inventions in


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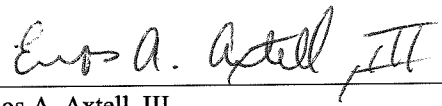
set forth in application for United States Letters Patent filed 9 December 2011, Serial No. 13/377183 said application for United States Letters Patent, any and all other applications for Letters Patent on said inventions in countries foreign to the United States, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues and extension of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patent; said assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said assignee or otherwise as said assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents of the United States of America and the empowered officials of all other governments being hereby authorized to issue or transfer all said Letters Patent to said assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to assure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and substance which may be requested by said assignee, to furnish said assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said inventions, and to testify in any proceedings relating to said inventions, patent applications and Letters Patent.

Attested by:

Signed:

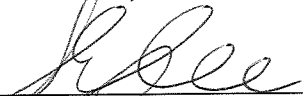
Dated:



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Enos A. Axtell, III

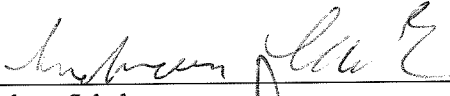
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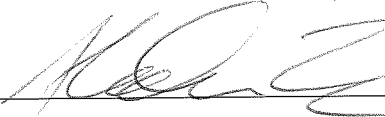
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George E. Sakoske


1-20-2012



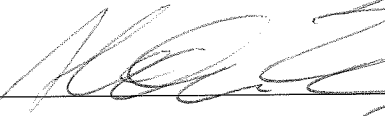
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Andreas Schulz

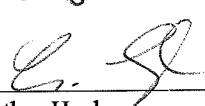
10. Febr. 2012



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Juergen Hanich

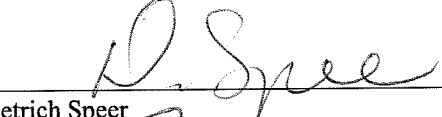
10.2.2012



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Lothar Heck

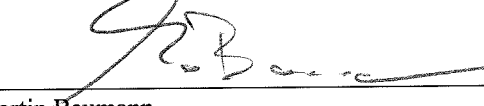
10.02.2012



X 
Dietrich Speer

14.02.2012



X 
Martin Baumann

24.03.2012

PATENT