

## 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>Orville W. Brown</td><td>01/05/2007</td></tr><tr><td>Srinivasan Sridharan</td><td>01/02/2007</td></tr></tbody></table>	Name	Execution Date	Orville W. Brown	01/05/2007	Srinivasan Sridharan	01/02/2007					
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Orville W. Brown	01/05/2007										
Srinivasan Sridharan	01/02/2007										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Ferro Corporation</td></tr><tr><td>Street Address:</td><td>1000 Lakeside Avenue</td></tr><tr><td>City:</td><td>Cleveland</td></tr><tr><td>State/Country:</td><td>OHIO</td></tr><tr><td>Postal Code:</td><td>44114</td></tr></table>	Name:	Ferro Corporation	Street Address:	1000 Lakeside Avenue	City:	Cleveland	State/Country:	OHIO	Postal Code:	44114	
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Postal Code:	44114										
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>11609998</td></tr></tbody></table>	Property Type	Number	Application Number:	11609998							
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Application Number:	11609998										
CORRESPONDENCE DATA											
Fax Number: (216)566-9711 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Email: <a href="mailto:docketing@rankinhill.com">docketing@rankinhill.com</a>											
Correspondent Name: Kenneth A.Clark											
Address Line 1: 925 Euclid Avenue, Suite 700											
Address Line 4: Cleveland, OHIO 44115-1405											
ATTORNEY DOCKET NUMBER:	FER-15088.002										
NAME OF SUBMITTER:	Kenneth A. Clark										
Total Attachments: 2 source=fer15088#page1.tif source=fer15088#page2.tif											

CH \$40.00 11609998

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PATENT  
REEL: 018801 FRAME: 0590

## ASSIGNMENT

For good and valuable consideration received of the hereinafter named assignee, receipt of which is hereby acknowledged, we the undersigned, Orville W. Brown and Srinivasan Sridharan hereby sell and assign to Ferro Corporation, a corporation of the State of Ohio, having a place of business at 1000 Lakeside Avenue, Cleveland, Ohio 44114, 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

### **LEAD-FREE AND CADMIUM-FREE CONDUCTIVE COPPER THICK FILM PASTES**

set forth in application for United States Letters Patent filed December 13, 2006, Serial No. 11/609998 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:

_____	X <u>Orville W. Brown</u>	<u>1/5/07</u>
	Orville W. Brown	
<u>Rhat P. Bhari</u>	X <u>Srinivasan Sridharan</u>	<u>01/02/07</u>
	Srinivasan Sridharan	

STATE OF PENNSYLVANIA :

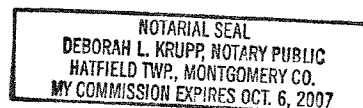
SS.

COUNTY OF Montgomery :

Before me personally appeared the above-named Orville W. Brown who acknowledged the execution of the foregoing instrument as his free act and deed.

January 18, 2007  
Date

Deborah L. Krupp  
Notary Public



STATE OF OHIO

:

SS.

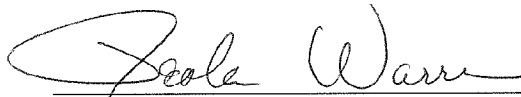
COUNTY OF CUYAHOGA

:

Before me personally appeared the above-named Srinivasan Sridharan who acknowledged the execution of the foregoing instrument as his free act and deed.

1-02-2007

Date



Notary Public

PEOLA WARREN  
NOTARY PUBLIC  
STATE OF OHIO  
MY COMM. EXP. 3-18-08