

## 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>Walter J. Symes Jr.</td><td>04/16/2007</td></tr><tr><td>Mike S. H. Chu</td><td>04/16/2007</td></tr></tbody></table>	Name	Execution Date	Walter J. Symes Jr.	04/16/2007	Mike S. H. Chu	04/16/2007					
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Walter J. Symes Jr.	04/16/2007										
Mike S. H. Chu	04/16/2007										
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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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>11681796</td></tr></tbody></table>	Property Type	Number	Application Number:	11681796							
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Application Number:	11681796										
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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NAME OF SUBMITTER:	Kenneth A. Clark										
Total Attachments: 2 source=fer17207#page1.tif source=fer17207#page2.tif											

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PATENT  
REEL: 019188 FRAME: 0226

# ASSIGNMENT

For good and valuable consideration received of the hereinafter named assignee, receipt of which is hereby acknowledged, we the undersigned, Walter J. Symes, Jr. and Mike S. H. Chu, 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

## **ULTRA LOW TEMPERATURE FIRED X7R AND BX DIELECTRIC CERAMIC COMPOSITION AND METHOD OF MAKING**

set forth in application for United States Letters Patent filed 5 March 2007, Serial No. 11/681796 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 Walter J. Symes, Jr.  
Walter J. Symes, Jr.

4/16/07

X Mike S. H. Chu  
Mike S. H. Chu

4/16/2007

STATE OF NEW YORK :

COUNTY OF YATES :

SS.

Before me personally appeared the above-named Walter J. Symes, Jr. who acknowledged the execution of the foregoing instrument as his free act and deed.

Date

Notary Public

ARLEEN M. JENSEN  
Notary Public No. 018301460  
Yates County, State of New York  
Commission Expires July 3, 2009

**PATENT**

**REEL: 019188 FRAME: 0227**

STATE OF NEW YORK

COUNTY OF YATES

SS.

Before me personally appeared the above-named Mike S. H. Chu who acknowledged the execution of the foregoing instrument as his free act and deed.

4/16/07  
Date

Arlene M. Jensen  
Notary Public

ARLEEN M. JENSEN  
Notary Public No. 01025014680  
Yates County, State of New York  
Commission Expires July 6, 2009