

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
PNC BANK, NATIONAL ASSOCIATION, AS COLLATERAL AGENT	02/14/2017
RECEIVING PARTY DATA	
Name:	FERRO ELECTRONIC MATERIALS INC.
Street Address:	1789 TRANSELCO DRIVE
City:	PENN YAN
State/Country:	NEW YORK
Postal Code:	14527
PROPERTY NUMBERS Total: 2	
Property Type	Number
Patent Number:	5550092
Patent Number:	6185087
CORRESPONDENCE DATA	
Fax Number:	(212)751-4864
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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NAME OF SUBMITTER:	ANGELA M. AMARU
SIGNATURE:	/S/ Angela M. Amaru
DATE SIGNED:	02/15/2017
Total Attachments: 3	
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RELEASE OF SECURITY INTEREST IN PATENT COLLATERAL

This **RELEASE OF SECURITY INTEREST IN PATENT COLLATERAL** (this "Release") is made as of February 14, 2017 (the "Effective Date"), by **PNC BANK, NATIONAL ASSOCIATION**, in its capacity as collateral agent for the Secured Parties (in such capacity, the "Collateral Agent"), in favor of **FERRO ELECTRONIC MATERIALS INC.**, a Delaware Corporation (the "Grantor"). Capitalized terms used but not otherwise defined herein shall have the respective meanings ascribed thereto in the Patent Security Agreement (as defined below), or if not defined therein, in the Security Agreement (as defined below).

WITNESSETH:

WHEREAS, Grantor is a party to that certain Pledge and Security Agreement, dated as of July 31, 2014 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the "Security Agreement"), among the Grantor, Ferro Corporation, the Designated Borrowers certain other subsidiaries of Ferro Corporation and the Collateral Agent for the Secured Parties, pursuant to which the Grantor executed and delivered that certain Patent Security Agreement, dated as of July 31, 2014 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the "Patent Security Agreement");

WHEREAS, pursuant to the Patent Security Agreement, the Grantor assigned, pledged, hypothecated, charged, mortgaged, delivered, and transferred to the Collateral Agent, for its benefit and the ratable benefit of each other Secured Party, and granted to the Collateral Agent, for its benefit and the ratable benefit of each other Secured Party, a continuing security interest in, among other things, all of the following property: (a) the letters patent and applications for letters patent throughout the world, including all patent applications in preparation for filing, and the patents and patent applications referred to in Item A of Schedule I attached hereto; (b) all reissues, divisions, continuations, continuations-in-part, extensions, renewals and reexaminations of any of the items described in clause (a); (c) all of its patent licenses, and other agreements providing the Grantor with the right to use any items of the type referred to in clauses (a) and (b) above, including each patent license referred to in Item B of Schedule I attached hereto; and (d) all Proceeds of, and rights associated with, the foregoing (including license royalties and Proceeds of infringement suits), the right to sue third parties for past, present or future infringements of any of the foregoing, and for breach or enforcement of any of the foregoing (collectively, the "Released Patent Collateral");

WHEREAS, the Patent Security Agreement was recorded with the United States Patent and Trademark Office at Reel/Frame 033522/0937 on August 12, 2014; and

WHEREAS, the Collateral Agent desires to release its lien on and continuing security interest in and to all of the right, title, and interest of the Grantor in the Released Patent Collateral;

NOW THEREFORE, in consideration of the foregoing and other good and valuable consideration, receipt, and sufficiency of which are hereby acknowledged, Collateral Agent hereby releases, relinquishes and discharges, with respect to the Grantor, all of its security interest in all such Grantor's right, title, and interest in, to and under the Released Patent Collateral, and re-assigns to the Grantor any and all right, title or interest it may have in the Released Patent Collateral, all without warranty or representation of any kind.

The Collateral Agent hereby authorizes the Grantor, or the Grantor's authorized representatives to: (a) record this Release with the United States Patent and Trademark Office and/or any other applicable governmental office or Agency, and (b) file UCC financing statement amendments with the applicable filing office in order to memorialize the release of the lien on and security interest of the Collateral Agent in the Released Patent Collateral.

[Signature page follows]

IN WITNESS WHEREOF, the Collateral Agent has caused this Release to be executed by its duly authorized officer as of the Effective Date.

PNC BANK, NATIONAL ASSOCIATION, as
Collateral Agent

By: _____

Name: Scott D. Beran

Title: Senior Vice President

Schedule I
to Patent Security Agreement

Item A. Issued Patents, Pending Patent Applications and Patent Applications in Preparation

Title	Patent No.	Issue Date	Owner
CERAMIC DIELECTRICS COMPOSITIONS	5550092	8/27/1996	Ferro Electronic Materials Inc.
MULTILAYER CERAMIC CHIP CAPACITOR WITH HIGH RELIABILITY COMPATIBLE WITH NICKEL ELECTRODES	6185087	2/6/2001	Ferro Electronic Materials Inc.

Item B. Patent Licenses

None.