

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM541371

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the State/Country of the Receiving Party Data previously recorded on Reel 006745 Frame 0279. Assignor(s) hereby confirms the Receiving Party, APGI, LLC's State/Country is Pennsylvania instead of Delaware.		
<b>SEQUENCE:</b>	1		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
NORTH AMERICAN REFRACTORIES COMPANY		12/23/2015	Corporation:
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	APGI, LLC		
<b>Street Address:</b>	1305 CHERRINGTON PARKWAY		
<b>Internal Address:</b>	SUITE 100		
<b>City:</b>	MOON TOWNSHIP		
<b>State/Country:</b>	PENNSYLVANIA		
<b>Postal Code:</b>	15108		
<b>Entity Type:</b>	Limited Liability Company: DELAWARE		
<b>PROPERTY NUMBERS Total: 1</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Registration Number:</b>	3702577	NARCON	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	4406841095		
<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>			
<b>Phone:</b>	4406841090		
<b>Email:</b>	mmetrokotsas@kusnerjaffe.com		
<b>Correspondent Name:</b>	MICHAEL A. JAFFE, KUSNER & JAFFE		
<b>Address Line 1:</b>	PARAGON CENTER II		
<b>Address Line 2:</b>	6150 PARKLAND BOULEVARD, SUITE 105		
<b>Address Line 4:</b>	MAYFIELD HEIGHTS, OHIO 44124		
<b>NAME OF SUBMITTER:</b>	MICHAEL A. JAFFE		
<b>SIGNATURE:</b>	/Michael A. Jaffe/		
<b>DATE SIGNED:</b>	09/18/2019		
<b>Total Attachments: 4</b>			

OP \$40.00 3702577

source=HWI9641US\_Corrective Assignment Cover#page1.tif

source=HWI9641US\_Corrective Assignment Cover#page2.tif

source=HWI9641US\_Corrective Assignment Cover#page3.tif

source=HWI9641US\_Corrective Assignment Cover#page4.tif

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM540887

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	MERGER		
<b>EFFECTIVE DATE:</b>	12/31/2015		
<b>SEQUENCE:</b>	1		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
NORTH AMERICAN REFRACTORIES COMPANY		12/23/2015	Corporation:
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	APGI, LLC		
<b>Street Address:</b>	1305 CHERRINGTON PARKWAY		
<b>Internal Address:</b>	SUITE 100		
<b>City:</b>	MOON TOWNSHIP		
<b>State/Country:</b>	<del>DELAWARE</del> PENNSYLVANIA <i>MJ 9/18/19</i>		
<b>Postal Code:</b>	15108		
<b>Entity Type:</b>	Limited Liability Company: DELAWARE		
<b>PROPERTY NUMBERS Total: 1</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
Registration Number:	3702577	NARCON	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	4406841095		
<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>			
<b>Phone:</b>	4406841090		
<b>Email:</b>	mmetrokotsas@kusnerjaffe.com		
<b>Correspondent Name:</b>	MICHAEL A. JAFFE, KUSNER & JAFFE		
<b>Address Line 1:</b>	PARAGON CENTER II		
<b>Address Line 2:</b>	6150 PARKLAND BOULEVARD, SUITE 105		
<b>Address Line 4:</b>	MAYFIELD HEIGHTS, OHIO 44124		
<b>NAME OF SUBMITTER:</b>	MICHAEL A. JAFFE		
<b>SIGNATURE:</b>	/Michael A. Jaffe/		
<b>DATE SIGNED:</b>	09/16/2019		
<b>Total Attachments: 3</b>			
source=NARCO with APGI LLC_Merger_certified copy_07052019#page1.tif			

OP \$40.00 3702577

# Delaware

The First State

Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"NORTH AMERICAN REFRACTORIES COMPANY", AN OHIO CORPORATION, WITH AND INTO "APGI, LLC" UNDER THE NAME OF "APGI, LLC", A LIMITED LIABILITY COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE ON THE TWENTY-THIRD DAY OF DECEMBER, A.D. 2015, AT 7:33 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2015 AT 6:52 O'CLOCK P.M.



5873444 8100M  
SR# 20195746508

You may verify this certificate online at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)

A handwritten signature in black ink, appearing to read "JBULLOCK".  

---

Jeffrey W. Bullock, Secretary of State

Authentication: 203164083

Date: 07-05-19

TRADEMARK  
REEL: 006748 FRAME: 0385

**CERTIFICATE OF MERGER  
MERCING  
NORTH AMERICAN REFRACTORIES COMPANY  
INTO  
APGI, LLC**

APGI, LLC, organized and existing under and by virtue of the Delaware Limited Liability Company Act, does hereby certify:

**FIRST:** That the name and state of formation of each of the constituent entities of the merger is as follows:

<u>Name</u>	<u>State of Formation</u>
North American Refractories Company	Ohio
APGI, LLC	Delaware

**SECOND:** That an Agreement and Plan of Merger between the parties to the merger has been approved, adopted, certified, executed and acknowledged by each of the constituent entities in accordance with the requirements of Section 18-209 of the Delaware Limited Liability Company Act.

**THIRD:** That the name of the surviving limited liability company of the merger is APGI, LLC.

**FOURTH:** That the Certificate of Formation of APGI, LLC, a Delaware limited liability company which will survive the merger, shall be the Certificate of Formation of the surviving limited liability company.

**FIFTH:** The merger is to become effective at 6:52 p.m., Eastern Standard Time, December 31, 2015.

**SIXTH:** That the executed Agreement and Plan of Merger is on file at the principal place of business of the surviving limited liability company, the address of which is 1305 Cherrington Parkway, Suite 100, Moon Township, PA 15108.

**SEVENTH:** That a copy of the Agreement and Plan of Merger will be furnished by the surviving limited liability company, on request and without cost, to any stockholder or member of any constituent entity.

[Signature Page Follows]

IN WITNESS WHEREOF, APGI, LLC has caused this Certificate of Merger to be  
duly executed as of the 23rd day of December, 2015.

APGI, LLC by its sole member  
A.P. Green Industries, Inc.

By Jessica L. Nock

Name: Jessica L. Nock

Title: Vice President - Rationalization

*[Signature Page to Certificate of Merger (DE) -- Step 25]*