

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM437357

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	CHANGE OF NAME
<b>SEQUENCE:</b>	3

## CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
A.P. Green Refractories, Inc.		12/30/2015	Corporation: DELAWARE

## RECEIVING PARTY DATA

<b>Name:</b>	HarbisonWalker International, Inc.
<b>Street Address:</b>	1305 CHERRINGTON PARKWAY, STE 100
<b>City:</b>	MOON TOWNSHIP
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	15108
<b>Entity Type:</b>	Corporation: DELAWARE

## PROPERTY NUMBERS Total: 7

Property Type	Number	Word Mark
Registration Number:	1098049	ZRX
Registration Number:	2148049	COMANCHE
Registration Number:	1089709	TUFSHOT
Registration Number:	2167926	SHOTKAST
Registration Number:	2171589	QUANTUM
Registration Number:	2171588	TOMAHAWK
Registration Number:	1098048	SERV

## CORRESPONDENCE DATA

Fax Number: 4406841095

*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.*

Phone: 440-684-1090

Email: MKUSNER@KUSNERJAFFE.COM,  
EMORLAN@KUSNERJAFFE.COM

Correspondent Name: MARK KUSNER / KUSNER &amp; JAFFE

Address Line 1: 6150 Parkland Boulevard, STE. 105

Address Line 2: PARAGON CENTER II

Address Line 4: Mayfield Heights, OHIO 44124

<b>NAME OF SUBMITTER:</b>	MARK KUSNER
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<b>SIGNATURE:</b>	/mark kusner/
<b>DATE SIGNED:</b>	08/01/2017
<b>Total Attachments: 3</b> source=3. HWI-AP Green Refractories to HWI Recordal#page1.tif source=3. HWI-AP Green Refractories to HWI Recordal#page2.tif source=3. HWI-AP Green Refractories to HWI Recordal#page3.tif	

# 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 AMENDMENT OF "A.P. GREEN REFRACTORIES, INC.", CHANGING ITS NAME FROM "A.P. GREEN REFRACTORIES, INC." TO "HARBISONWALKER INTERNATIONAL, INC.", FILED IN THIS OFFICE ON THE THIRTIETH DAY OF DECEMBER, A.D. 2015, AT 5:08 O`CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF AMENDMENT IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2015 AT 8:25 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



  
Jeffrey W. Bullock, Secretary of State

2406034 8100  
SR# 20151594411

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

Authentication: 201632569  
Date: 01-07-16

**TRADEMARK**  
**REEL: 006119 FRAME: 0413**

**CERTIFICATE OF AMENDMENT  
TO THE  
CERTIFICATE OF INCORPORATION  
OF  
A.P. GREEN REFRACTORIES, INC.**

A.P. Green Refractories, Inc., a corporation organized and existing under the General Corporation Law of the State of Delaware (the "Corporation"), does hereby certify as follows:

1. By unanimous written consent, in accordance with the General Corporation Law of the State of Delaware, the directors of the Corporation have duly adopted, in accordance with section 141(f) of said General Corporation Law of the state of Delaware, an amendment to the Certificate of Incorporation whereby Article I thereof is changed so that, as amended, said Article shall read as follows:

The name of the corporation is: HarbisonWalker International, Inc.

2. This amendment shall be effective on December 31, 2015 at 8:25 p. m. Eastern Standard Time.

3. This Certificate of Amendment to the Certificate of Incorporation of the Corporation was duly adopted in accordance with the applicable provisions of Section 242 of the General Corporation Law of the State of Delaware.

[Signature Page Follows]

IN WITNESS WHEREOF, the Corporation has caused this Certificate of Amendment to be duly executed on the 30th day of December, 2015.

By: Jessica L. Nock

Name: Jessica L. Nock

Title: Vice President - Rationalization

*[Signature Page to Certificate of Amendment – Step 29(d)]*