

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TOMAS RICHTER	09/09/2019
COREY FORSTER	09/13/2019
DONALD ABRINO	09/09/2019
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<b>Name:</b>	HARBISONWALKER INTERNATIONAL, INC.
<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>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16583377
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(440)684-1095
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<b>ATTORNEY DOCKET NUMBER:</b>	HWI12024US
<b>NAME OF SUBMITTER:</b>	CHRISTOPHER R. MONDAY
<b>SIGNATURE:</b>	/Christopher R. Monday/
<b>DATE SIGNED:</b>	09/26/2019
<b>Total Attachments: 2</b>	
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source=HWI12024US_Assignment#page2.tif	

For: U.S. Rights and Foreign Rights  
For: U.S. Application  
By: Inventors

**ASSIGNMENT OF INVENTION**

In consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of Ten Dollars (\$10.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

**ASSIGNORS:**

Name: Tomas Richter  
Address: 1221 Country Oak Drive  
Wexford, PA 15090

Name: Corey Forster  
Address: 953 Forsythe Road  
Carnegie, PA 15106

Name: Donald Abrino  
Address: 547 Greenwood Road  
Curwensville, PA 16833

hereby sell, assign and transfer to

**ASSIGNEE:**

Name: HarbisonWalker International, Inc.  
Address: 1305 Cherrington Parkway, Suite 100  
Moon Township, Pennsylvania 15108

Corporation of: Delaware

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:

**PREDICTIVE REFRACTORY PERFORMANCE MEASUREMENT SYSTEM**

and which is found in (37 C.F.R. §3.21) U.S. patent application executed on even date herewith or [ ] in Application No. \_\_\_\_\_, filed on \_\_\_\_\_ and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

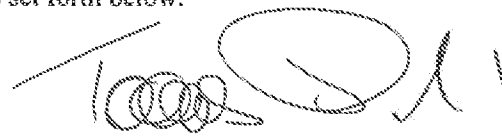
ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

ASSIGNORS hereby grant the firm of Kusner & Jaffe the power to insert or complete on this assignment document any information, including application number and filing date, which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

We have hereunto set our hands on the dates set forth below.

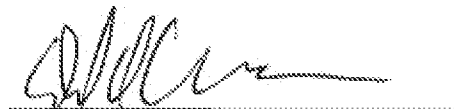
Date: 9/9/2019

  
Signature of Tomas Richter

Date: 09/13/2019

  
Signature of Corey Forster

Date: 9/9/2019

  
Signature of Donald Abrino