10/26/2016 504067247

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RAFIC MINKARA	09/16/2014
JENNIFER M. KELLEY	09/16/2014
CRYSTAL A. DIXON	09/18/2014
RICHARD J. NORDMAN	09/18/2014
MICHAEL J. PONSTINGL	09/16/2014

RECEIVING PARTY DATA

Name:	HEADWATERS INCORPORATED	
Street Address:	10701 SOUTH RIVERFRONT PARKWAY	
Internal Address:	SUITE 300	
City:	SOUTH JORDAN	
State/Country:	UTAH	
Postal Code:	84095	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15027537

CORRESPONDENCE DATA

Fax Number: (216)642-8826

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: 2166423342

Email: whvipgroup@wegmanlaw.com

WEGMAN, HESSLER & VANDERBURG **Correspondent Name:** 6055 ROCKSIDE WOODS BOULEVARD Address Line 1:

Address Line 2: SUITE 200

Address Line 4: CLEVELAND, OHIO 44131

ATTORNEY DOCKET NUMBER:	02356 245P2
NAME OF SUBMITTER:	BRUCE E PEACOCK
SIGNATURE:	/bep/
DATE SIGNED:	10/26/2016

PATENT REEL: 040136 FRAME: 0969 504067247

Total Attachments: 5 source=Executed Assignment#page1.tif source=Executed Assignment#page2.tif source=Executed Assignment#page3.tif source=Executed Assignment#page4.tif source=Executed Assignment#page5.tif

PATENT REEL: 040136 FRAME: 0970

ASSIGNMENT

WHEREAS, I, Rafic Y. Minkara, of Kennesaw, Georgia, invented a certain new and useful METHOD AND DEVICE TO DETERMINE ADSORPTION CAPACITY FOR AIR ENTRAINMENT AGENTS (Docket 020356 245P2 USP1) for which a provisional application for letters patent of the United States, was filed on October 11, 2013 having Serial No. 61/889,749;

AND WHEREAS, Headwaters Incorporated, a corporation of the State of Utah, with a place of business at 10701 South Riverfront Parkway, Suite 300, South Jordan, Utah 84095, hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any letters patent that may issue thereon:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1,00) and other valuable consideration, receipt whereof is hereby acknowledged. I hereby sell, assign and transfer unto said Assignee, its successors and assigns, my entire right, title and interest in and to said application and any U.S. utility applications claiming priority benefit of said provisional application under 35 USC \$119 and any divisions or continuations thereof, and the inventions therein disclosed, and any improvements thereon, and any patent or patents that may be issued or reissued thereon, and I hereby authorize and request the Commissioner of Patents and Trademarks to issue any letters patent thereon, and reissues thereof, to said Assignee, its successors and assigns; and I hereby authorize said Assignee, its successors and assigns, to file in its own name applications for patent in the United States and in foreign countries in connection with the inventions hereby transferred, under the International Convention, the European Patent Convention and the Patent Cooperation Treaty, claiming the priority of said United States application or otherwise, and to secure in its own name the patent or patents issued thereon; and I hereby agree that, upon request, I will sign all papers, and make all rightful oaths, and do all acts which said Assignee, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any patents issued or reissued thereon.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal.

Rafic Y. Minkara

Date

10/2014

ASSIGNMENT

WHEREAS, I, Jennifer M. Kelley, of Taylorsville, Georgia, invented a certain new and useful METHOD AND DEVICE TO DETERMINE ADSORPTION CAPACITY FOR AIR ENTRAINMENT AGENTS (Docket 020356 245P2 USP1) for which a provisional application for letters patent of the United States, was filed on October 11, 2013 having Serial No. 61/889,749;

AND WHEREAS, Headwaters Incorporated, a corporation of the State of Utah, with a place of business at 10701 South Riverfront Parkway, Suite 300, South Jordan, Utah 84095, hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any letters patent that may issue thereon:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other valuable consideration, receipt whereof is hereby acknowledged, I hereby sell, assign and transfer unto said Assignee, its successors and assigns, my entire right, title and interest in and to said application and any U.S. utility applications claiming priority benefit of said provisional application under 35 USC §119 and any divisions or continuations thereof, and the inventions therein disclosed, and any improvements thereon, and any patent or patents that may be issued or reissued thereon, and I hereby authorize and request the Commissioner of Patents and Trademarks to issue any letters patent thereon, and reissues thereof, to said Assignee, its successors and assigns; and I hereby authorize said Assignee, its successors and assigns, to file in its own name applications for patent in the United States and in foreign countries in connection with the inventions hereby transferred, under the International Convention, the European Patent Convention and the Patent Cooperation Treaty, claiming the priority of said United States application or otherwise, and to secure in its own name the patent or patents issued thereon; and I hereby agree that, upon request, I will sign all papers, and make all rightful oaths, and do all acts which said Assignee, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any patents issued or reissued thereon.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal.

Jennyfer/M. Kelley

9-16-2014 Date

ASSIGNMENT

WHEREAS, I, Crystal A. Dixon, of Fenton, Missouri, invented a certain new and useful METHOD AND DEVICE TO DETERMINE ADSORPTION CAPACITY FOR AIR ENTRAINMENT AGENTS (Docket 020356 245P2 USP1) for which a provisional application for letters patent of the United States, was filed on October 11, 2013 having Serial No. 61/889,749;

AND WHEREAS, Headwaters Incorporated, a corporation of the State of Utah, with a place of business at 10701 South Riverfront Parkway, Suite 300, South Jordan, Utah 84095, hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any letters patent that may issue thereon:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other valuable consideration, receipt whereof is hereby acknowledged, I hereby sell, assign and transfer unto said Assignee, its successors and assigns, my entire right, title and interest in and to said application and any U.S. utility applications claiming priority benefit of said provisional application under 35 USC §119 and any divisions or continuations thereof, and the inventions therein disclosed, and any improvements thereon, and any patent or patents that may be issued or reissued thereon, and I hereby authorize and request the Commissioner of Patents and Trademarks to issue any letters patent thereon, and reissues thereof, to said Assignee, its successors and assigns; and I hereby authorize said Assignee, its successors and assigns, to file in its own name applications for patent in the United States and in foreign countries in connection with the inventions hereby transferred, under the International Convention, the European Patent Convention and the Patent Cooperation Treaty, claiming the priority of said United States application or otherwise, and to secure in its own name the patent or patents issued thereon; and I hereby agree that, upon request, I will sign all papers, and make all rightful oaths, and do all acts which said Assignee, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any patents issued or reissued thereon.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal.

vstal A. Dixon

 $\frac{9/18/14}{\text{Date}}$

WHEREAS, I, Richard J. Nordman, of Fenton, Missouri, invented a certain new and useful METHOD AND DEVICE TO DETERMINE ADSORPTION CAPACITY FOR AIR ENTRAINMENT AGENTS (Docket 020356 245P2 USP1) for which a provisional application for letters patent of the United States, was filed on October 11, 2013 having Serial No. 61/889,749;

ASSIGNMENT

AND WHEREAS, Headwaters Incorporated, a corporation of the State of Utah, with a place of business at 10701 South Riverfront Parkway, Suite 300, South Jordan, Utah 84095, hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any letters patent that may issue thereon:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other valuable consideration, receipt whereof is hereby acknowledged. I hereby sell, assign and transfer unto said Assignee, its successors and assigns, my entire right, title and interest in and to said application and any U.S. utility applications claiming priority benefit of said provisional application under 35 USC §119 and any divisions or continuations thereof, and the inventions therein disclosed, and any improvements thereon, and any patent or patents that may be issued or reissued thereon, and I hereby authorize and request the Commissioner of Patents and Trademarks to issue any letters patent thereon, and reissues thereof, to said Assignee, its successors and assigns; and I hereby authorize said Assignee, its successors and assigns, to file in its own name applications for patent in the United States and in foreign countries in connection with the inventions hereby transferred, under the International Convention, the European Patent Convention and the Patent Cooperation Treaty, claiming the priority of said United States application or otherwise, and to secure in its own name the patent or patents issued thereon; and I hereby agree that, upon request, I will sign all papers, and make all rightful oaths, and do all acts which said Assignee, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any patents issued or reissued thereon.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal.

Richard J. Nordman Date

PATENT REEL: 040136 FRAME: 0974

ASSIGNMENT

Filed: April 6, 2016

WHEREAS, I, Michael J. Ponstingl, of Fenton, Missouri, invented a certain new and useful METHOD AND DEVICE TO DETERMINE ADSORPTION CAPACITY FOR AIR ENTRAINMENT AGENTS (Docket 020356 245P2 USP1) for which a provisional application for letters patent of the United States, was filed on October 11, 2013 having Serial No. 61/889,749;

AND WHEREAS, Headwaters Incorporated, a corporation of the State of Utah, with a place of business at 10701 South Riverfront Parkway, Suite 300, South Jordan, Utah 84095, hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any letters patent that may issue thereon;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other valuable consideration, receipt whereof is hereby acknowledged. I hereby sell, assign and transfer unto said Assignee, its successors and assigns, my entire right, title and interest in and to said application and any U.S. utility applications claiming priority benefit of said provisional application under 35 USC §119 and any divisions or continuations thereof, and the inventions therein disclosed, and any improvements thereon, and any patent or patents that may be issued or reissued thereon, and I hereby authorize and request the Commissioner of Patents and Trademarks to issue any letters patent thereon, and reissues thereof, to said Assignee, its successors and assigns; and I hereby authorize said Assignee, its successors and assigns, to file in its own name applications for patent in the United States and in foreign countries in connection with the inventions hereby transferred, under the International Convention, the European Patent Convention and the Patent Cooperation Treaty, claiming the priority of said United States application or otherwise, and to secure in its own name the patent or patents issued thereon; and I hereby agree that, upon request, I will sign all papers, and make all rightful oaths, and do all acts which said Assignee, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any patents issued or reissued thereon.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal.

Michael J. Ponstingl

Date

PATENT REEL: 040136 FRAME: 0975

SENYELYKAY 16, 2014

RECORDED: 10/26/2016