

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3451416

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	RANJIT R. RAO	07/20/2015
	MELANIE JEAN NOVACEK	07/20/2015
	XU CHENG	07/20/2015
	FREDERICK CHARLES HUFF	07/20/2015
RECEIVING PARTY DATA		
Name:	EMERSON PROCESS MANAGEMENT POWER & WATER SOLUTIONS, INC.	
Street Address:	200 BETA DRIVE	
City:	PITTSBURGH	
State/Country:	PENNSYLVANIA	
Postal Code:	15238	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14789021
CORRESPONDENCE DATA		
Fax Number:	(312)580-9696	
<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>		
Phone:	312-580-1020	
Email:	mbuckley@hfzlaw.com	
Correspondent Name:	HANLEY, FLIGHT & ZIMMERMAN, LLC	
Address Line 1:	150 S WACKER DRIVE	
Address Line 4:	CHICAGO, ILLINOIS 60606	
ATTORNEY DOCKET NUMBER:	20040/64-13134	
NAME OF SUBMITTER:	MARIANNE BUCKLEY	
SIGNATURE:	/Marianne Buckley/	
DATE SIGNED:	07/23/2015	
Total Attachments: 5		
source=64-13134_SIGNED-ASSIGNMENT#page1.tif		
source=64-13134_SIGNED-ASSIGNMENT#page2.tif		

source=64-13134_SIGNED-ASSIGNMENT#page3.tif

source=64-13134_SIGNED-ASSIGNMENT#page4.tif

source=64-13134_SIGNED-ASSIGNMENT#page5.tif

A S S I G N M E N T

Serial No: 14/789,021

Filed: July 1, 2015

Title: METHODS AND APPARATUS TO OPTIMIZE STEAM TURBINE RAMP
RATES

For good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to **EMERSON PROCESS MANAGEMENT POWER & WATER SOLUTIONS, INC.**, a Delaware Corporation, 200 Beta Drive, Pittsburgh, Pennsylvania 15238, (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the execution date and/or filing date and serial number of said application when officially known.

The undersigned warrants himself to be the owner of the interest herein assigned and to have the right to make this assignment and further warrants that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned.

For said consideration the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation, continuation-in-part and substitute applications for said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns, may deem necessary or expedient, and for said consideration the undersigned further agrees upon the request of said assignee, its successors or assigns, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned with said assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all

WITNESS my hand this 20th day of July, 2015.

State of Pennsylvania

County of Allegheny

Ranjit R. Rao
Ranjit R. Rao

On this 20th day of July, 2015, before me, a Notary Public in and for the County and State aforesaid, appeared Ranjit R. Rao, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

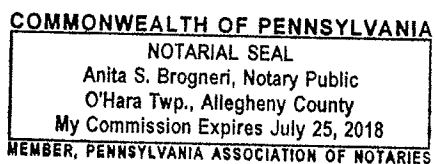
My Commission Expires:

July 25, 2018

Notary Public:

Anita S. Brognieri

* * * * *



WITNESS my hand this 20th day of July, 2015.

State of Pennsylvania

County of Allegheny

Melanie Jean Novacek
Melanie Jean Novacek

On this 20th day of July, 2015, before me, a Notary Public in and for the County and State aforesaid, appeared Melanie Jean Novacek, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

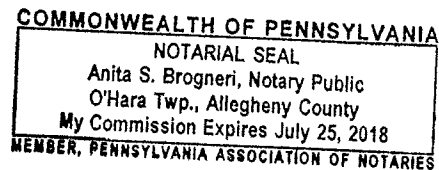
My Commission Expires:

July 25, 2018

Notary Public:

Anita S. Brognieri

* * * * *



affirmative acts to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in said assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by said assignee, its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

WITNESS my hand this 20th day of July, 2015.

State of Pennsylvania

County of Allegheny

Xu Cheng
Xu Cheng

On this 20th day of July, 2015, before me, a Notary Public in and for the County and State aforesaid, appeared Xu Cheng, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

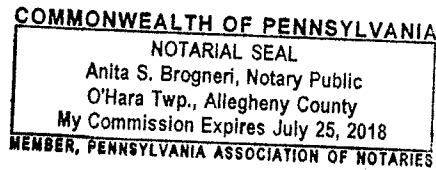
My Commission Expires:

July 25, 2018

Notary Public:

Anita S. Brogneri

* * * * *



WITNESS my hand this 20th day of July, 2015.

State of Pennsylvania

County of Allegheny

Frederick Charles Huff
Frederick Charles Huff

On this 20th day of July, 2015, before me, a Notary Public in and for the County and State aforesaid, appeared Frederick Charles Huff, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires:

July 25, 2018

Notary Public:

Anita S. Brogneri

* * * * *

