505225771 12/07/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5272540

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HDR ENGINEERING, INC.	12/06/2017

RECEIVING PARTY DATA

Name:	DES MOINES METROPOLITAN WASTEWATER RECLAMATION AUTHORITY
Street Address:	3000 VANDALIA ROAD
City:	DES MOINES
State/Country:	IOWA
Postal Code:	50317

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16213218

CORRESPONDENCE DATA

Fax Number: (515)288-1338

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: 515-288-3667 **Email:** patatty@ipmvs.com

Correspondent Name: MCKEE, VOORHEES & SEASE, PLC

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Address Line 2: SUITE 3200

Address Line 4: DES MOINES, IOWA 50309-2721

ATTORNEY DOCKET NUMBER:	P12430US01	
NAME OF SUBMITTER:	KIRK M. HARTUNG	
SIGNATURE:	/Kirk M. Hartung/	
DATE SIGNED:	12/07/2018	

Total Attachments: 2

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PATENT 505225771 REEL: 047709 FRAME: 0786

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to **Des Moines Metropolitan Wastewater Reclamation Authority**, an Iowa municipal authority, having an address of 3000 Vandalia Road, Des Moines, IA 50317, its successors and assigns the entire right, title and interest in the invention or improvements of the undersigned disclosed in United States Serial No. 62/608,286, filed in the United States Patent and Trademark Office on the 20th day of <u>December</u>, 2017, entitled **PHOSPHORUS RELEASE REACTOR FOR WATER TREATMENT**, and in said application and any and all other applications for United States Letters Patent, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent, applications, and in any reissue or extension thereof.

The undersigned hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to said **Des Moines Metropolitan Wastewater Reclamation Authority.**

For said considerations 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 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 for the said considerations 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 affirmative acts to obtain said Letters Patent of the United States and vest all rights therein hereby conveying in the said assignee, its successors and assigns whereby said Letters Patent will

PATENT REEL: 047709 FRAME: 0787 be held and enjoyed by the 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.

And for said considerations the undersigned hereby assigns to said assignee, its successors and assigns, the entire right, title and interest in said invention or improvements for any and all foreign countries and agrees upon the request of assignee, its successors and assigns to execute any and all documents that undersigned shall be requested to execute in connection with any and all applications for foreign Letters Patent therefor, including the prosecution thereof, and to execute any and all documents necessary to vest title in said foreign applications and patents in assignee.

The attorneys of record are hereby authorized to insert the serial number and the filing date in the above blank spaces when received from the Patent Office.

HDR Engineering, Inc.

GENERAL NOTARY - State of Nebraska PAULA M. COOPER My Comm. Exp. April 10, 2019	By: San San San Title: San
STATE OF NEBRASKA)	
) ss.	
COUNTY OF Dryles) ss.	
The state of the s	2017, before me, a Notary Public in and for the
County and State aforesaid anneared	to me personally known to be the
County and State aforestic, appeared to the fore	going instrument, and acknowledged that he
executed said instrument as his free and volu	antary act for the uses and purposes therein
expressed.	
Witness my hand and seal the day ar	nd vear last above given.

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Notary Public
Commission Expires