

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
James T. Sims	01/02/2009
RECEIVING PARTY DATA	
Name:	CH2M HILL Engineers, Inc.
Street Address:	9191 South Jamaica Street
City:	Englewood
State/Country:	COLORADO
Postal Code:	80112
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	12329471
PCT Number:	US0885744
CORRESPONDENCE DATA	
Fax Number:	(303)629-3450
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	303-629-3435
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Address Line 4:	Denver, COLORADO 80202
ATTORNEY DOCKET NUMBER:	189824/US/2
NAME OF SUBMITTER:	Valerie H. Brown
Total Attachments: 3	
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PATENT
REEL: 022254 FRAME: 0033

ASSIGNMENT

WHEREAS, I, James T. Sims, residing at 1404 NW 138th Circle, Vancouver, Washington 98685, (the "Assignor"), have invented certain new and useful systems, devices, and methods disclosed and described in a utility application for Letters Patent in the United States ("U.S."), titled "SYSTEMS AND METHODS FOR SUPPLYING CHLORINE TO AND RECOVERING CHLORINE FROM A POLYSILICON PLANT," which can be identified in the United States Patent and Trademark Office ("USPTO") by Application No. 12/329,471, filed on December 5, 2008 (the "Utility Application") with attorney docket no. 189824/US/2, and also disclosed and described in PCT Application No. PCT/US2008/085744, filed on December 5, 2008, and titled "SYSTEMS AND METHODS FOR SUPPLYING CHLORINE TO AND RECOVERING CHLORINE FROM A POLYSILICON PLANT," with attorney docket no. 189824/PCT (Foreign Application); and

WHEREAS, CH2M HILL Engineers, Inc., a corporation organized and existing under the laws of the State of Delaware, and having its principal place of business at 9191 South Jamaica Street, Englewood, Colorado 80112 (the "Assignee"), by an earlier Assignment recorded on March 17, 2008, at Reel 020662, Frame 0359, owns all right, title and interest in and to the U.S. Provisional Application No. 60/992,674, filed December 5, 2007, and titled "SYSTEMS AND METHODS FOR SUPPLYING CHLORINE TO A POLYSILICON PLANT";

WHEREAS, to the extent that Assignor now owns any right, title and interest in the invention described and claimed in the Utility Application and the Foreign Application not already transferred to CH2M HILL Engineers, Inc. by the earlier Assignment, Assignor is desirous of assigning such interest, the Utility Application, the Foreign Application, any provisional, non-provisional, continuation, continuation-in-part, divisional, international, foreign, regional and convention applications corresponding thereto, and any and all Letters Patent of the United States and countries and regions foreign thereto which may grant or have granted thereto or be lodged in relation thereto, any reissue or reexamination thereof or to be obtained therefor, any renewals, or substitutes thereof, and any and all priority rights or priority claims, International Convention rights, any and all rights to collect past damages for infringement of any and all Letters Patent of the United States and countries and regions foreign thereto which may be published, which may grant, or have granted thereto or be lodged in relation thereto, and other benefits accruing to or to accrue to Assignor with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto (the "Patent Rights"); and

WHEREAS, Assignee desires to acquire any and all, right, title, and interest of Assignor in and to the invention(s), the Patent Rights, and in, to, and under any and all Letters Patent to be obtained therefor;

NOW THEREFORE, for the sum of \$1.00 and other good and valuable consideration to Assignor in hand paid, the receipt and sufficiency of which are hereby acknowledged, Assignor has sold, assigned, and transferred and by these presents does hereby sell, assign and transfer to the said Assignee, and said Assignee's legal representatives, successors and assigns, any and all of the entire right, title and interest in and to the invention(s), Patent Rights, and any and all Letters Patent to be obtained therefor;

UPON SAID CONSIDERATION, the Assignor hereby covenants and agrees with the said Assignee that it will not execute any writing or do any act whatsoever conflicting with these presents, and that it will, at any time upon request, without further or additional consideration,

but at the expense of the said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, provisionals, non-provisionals, continuations, continuations-in-part, continuing prosecutions, divisionals, renewals, reissues, reexamined or extended Letters Patent of the United States, or of any and all foreign countries, on said Patent Rights, and execute confirmatory assignments or acknowledgments of this assignment as necessary for full enjoyment of the Patent Rights and for recording in foreign patent offices, and in enforcing any rights or choses in action accruing as a result of such Patent Rights, by giving testimony in any proceedings or transactions involving such Patent Rights, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of both parties;

UPON SAID CONSIDERATION, Assignor represents and warrants that Assignor has the right, title, and authority to execute this Assignment and to convey any and all right, title, and interest in the Patent Rights, and that Assignor has not conveyed nor will convey hereafter all or part of the Patent Rights to a third party;

ASSIGNOR HEREBY AUTHORIZES said Assignee, its successors, and assigns, or anyone it may properly designate, to apply for Letters Patent in the U.S. and any and all foreign countries and regions, in its own name if desired, and additionally to claim priority to the filing date of the Utility Application and Foreign Application and otherwise take advantage of the provisions of any international conventions.

ASSIGNOR HEREBY AUTHORIZES Assignee, its successors and assigns, or anyone it may properly designate, to insert in this instrument the application number, filing date, and title of the Utility Application and Foreign Application once known.

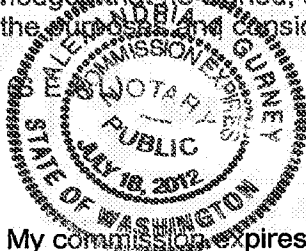
IN WITNESS WHEREOF, the Assignor hereunto has executed this Assignment upon the date indicated below.

Date: 1/2/2009

By: James T. Sims
James T. Sims

STATE OF Washington)
COUNTY OF Clark) ss.

On this 2 day of January, 2009, before me a Notary Public in and for said county, personally appeared James T. Sims who executed the foregoing instrument and acknowledged that he signed, sealed and delivered the same instrument as a free and voluntary act for the purposes and considerations therein expressed.



[Signature]
Notary Public

My commission expires: 7/18/2012

ACCEPTANCE OF ASSIGNMENT

The Assignee hereby acknowledges and accepts the foregoing assignment of rights by Assignor.

IN TESTIMONY WHEREOF, the Assignee, by its undersigned officer, confirms its acceptance on the date and in the place set forth below.

CH2M HILL Engineers, Inc.

Date: 1/2 2009 By: Margaret B. McLean
Name: margaret B. McLean
Title: secretary / vice-president

STATE OF Colorado)
COUNTY OF Adair) ss.

On this 2nd day of January, 2009, before me a Notary Public in and for said county, personally appeared Margaret McLean, the above-mentioned representative of the Assignee, CH2M HILL Engineers, Inc., who executed the foregoing patent Assignment, and represented and acknowledged that he/she had the requisite corporate authority to execute and accept this patent Assignment and the same was executed as a free act and deed.

(SEAL)



Sally A. Hill
Notary Public

My commission expires: 8/21/2011