

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Wenzhong Zhang</td> <td>08/27/2012</td> </tr> <tr> <td>Mike Bange</td> <td>08/23/2012</td> </tr> <tr> <td>Scott Boehmer</td> <td>08/23/2012</td> </tr> <tr> <td>Magdi Kaiser Khair</td> <td>08/27/2012</td> </tr> <tr> <td>Julian Tan</td> <td>06/25/2012</td> </tr> </tbody> </table>		Name	Execution Date	Wenzhong Zhang	08/27/2012	Mike Bange	08/23/2012	Scott Boehmer	08/23/2012	Magdi Kaiser Khair	08/27/2012	Julian Tan	06/25/2012
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Watlow Electric Manufacturing Company</td> </tr> <tr> <td>Street Address:</td> <td>12001 Lackland Road</td> </tr> <tr> <td>City:</td> <td>St. Louis</td> </tr> <tr> <td>State/Country:</td> <td>MISSOURI</td> </tr> <tr> <td>Postal Code:</td> <td>63146</td> </tr> </table>		Name:	Watlow Electric Manufacturing Company	Street Address:	12001 Lackland Road	City:	St. Louis	State/Country:	MISSOURI	Postal Code:	63146		
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CORRESPONDENCE DATA													
<p>Fax Number: 3123214299 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 312-321-4200</p> <p>Email: detroitdocket@brinkshofer.com</p> <p>Correspondent Name: Detroit Office/Brinks Hofer Gilson and L</p> <p>Address Line 1: P.O. BOX 10395</p> <p>Address Line 4: Chicago, ILLINOIS 60610</p>													
ATTORNEY DOCKET NUMBER:	13379-446												
NAME OF SUBMITTER:	Kelly K. Burris												
Signature:	/kelly k burris/												

CH \$40.00 13773176

Date:

07/22/2013

Total Attachments: 5

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ASSIGNMENT

Atty. Docket No. 13379-432

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

ELECTRIC HEATING ASSISTED PASSIVE AND ACTIVE REGENERATION FOR EFFICIENT EMISSION CONTROLS OF DIESEL ENGINES

for which Assignor is about to make or has made United States or International application for patent

- (a) ☐ executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
- (b) ☐ executed on _____, _____, _____; or
- (c) ☒ filed on February 22, 2012, and assigned Serial No. 61/601,923 or PCT International Application No. _____;
- (d) ☐ U.S. Patent No. _____, issued _____; and

WHEREAS, Watlow Electric Manufacturing Company, 12001 Lackland Road, St. Louis, Missouri 63146, U.S.A., hereinafter referred to as Assignee, is desirous of acquiring an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the said invention as described in the aforesaid application, said application for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to recover for past infringements of, or liabilities for, any of the rights relating to any of said applications or patents resulting therefrom;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale or agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and

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Atty. Docket No. 13379-432

applications as aforesaid, to issue said Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee.

Assignor hereby authorizes and requests my attorney to insert here in parentheses (Application No. 61/601,923, filed February 22, 2012 the filing date and application number of said application when known.

Wenzhong Zhang 8/27/2012
Wenzhong Zhang Date

Mike Bange Date

Scott Boehmer Date

Magdi Kaiser Khair Date

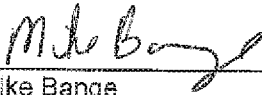
Julian Tan 6/25/12
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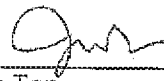
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