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| <b>PATENT ASSIGNMENT COVER SHEET</b> |
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4208725

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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT             |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                 |
| <b>CONVEYING PARTY DATA</b>   |                            |
| <b>Name</b>   | <b>Execution Date</b>      |
| JOHN A GREAVES  | 12/09/2016                 |
| BRINDHA NARASIMHAMOORTHY  | 12/20/2016                 |
| VANDANA SRIVASTAVA  | 12/20/2016                 |
| NORMAN CLOUD  | 12/16/2016                 |
| DAWN CLARK  | 12/20/2016                 |
| <b>RECEIVING PARTY DATA</b>   |                            |
| <b>Name:</b>  | KEMIN INDUSTRIES, INC.     |
| <b>Street Address:</b>  | 2100 MAURY STREET          |
| <b>City:</b>  | DES MOINES                 |
| <b>State/Country:</b>   | IOWA                       |
| <b>Postal Code:</b>   | 50317                      |
| <b>PROPERTY NUMBERS Total: 1</b>  |                            |
| <b>Property Type</b>  | <b>Number</b>              |
| <b>Application Number:</b>  | 15348322                   |
| <b>CORRESPONDENCE DATA</b>  |                            |
| <b>Fax Number:</b>  | (515)243-0654              |
| <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> |                            |
| <b>Phone:</b>   | 5152882500                 |
| <b>Email:</b>   | pattylaw@davisbrownlaw.com |
| <b>Correspondent Name:</b>  | KENT HERINK                |
| <b>Address Line 1:</b>  | 215 10TH ST                |
| <b>Address Line 2:</b>  | SUITE 1300                 |
| <b>Address Line 4:</b>  | DES MOINES, IOWA 50309     |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 4532670/120973 KEM 266     |
| <b>NAME OF SUBMITTER:</b>   | KENT HERINK                |
| <b>SIGNATURE:</b>   | /Kent Herink/              |
| <b>DATE SIGNED:</b>   | 01/04/2017                 |
| <b>Total Attachments: 3</b>   |                            |

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**ASSIGNMENT OF PATENT APPLICATION**

FOR GOOD AND VALUABLE CONSIDERATION,

We, the undersigned (each) have agreed and hereby agree to assign for good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto

Kemin Industries, Inc.

a corporation organized under the laws of the state of Iowa as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to

A METHOD FOR PRODUCTION OF THYMOQUINONE

described in an application for Letters Patent of the United States, identified as Attorney Docket No. 4532670/120973, at Davis, Brown, Koehn, Shors & Roberts, P.C., The Davis Brown Tower, 215 10th Street, Suite 1300, Des Moines, Iowa 50309 and filed on 11/10/2016, as Application Serial No. 15/348,322, and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. We request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

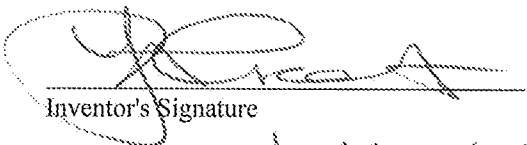
We authorize and empower the said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

We hereby authorize Kent A. Herink, attorney for Assignee, to insert the filing date and Serial number into the first paragraph of this assignment, after the application for Letters Patent has been filed, and the U.S. Patent Office has assigned such application a Serial Number.

We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.

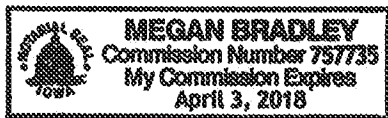
  
Inventor's Signature

12/9/16  
DATE

John A. Greaves *John A. Greaves Ph.D.*  
Inventor's Printed Name

STATE OF Iowa )  
COUNTY OF Polk ) SS

On this 9 day of December, 2016, before me personally came the above named John A. Greaves who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.



[Signature]  
NOTARY PUBLIC  
My Commission Expires: April 3, 2018

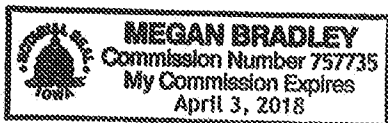
[Signature]  
Inventor's Signature

12/20/2016  
DATE

Brindha Narasimhamoorthy  
Inventor's Printed Name

STATE OF Iowa )  
COUNTY OF Polk ) SS

On this 20 day of December, 2016, before me personally came the above named Brindha Narasimhamoorthy who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.



[Signature]  
NOTARY PUBLIC  
My Commission Expires: April 3, 2018

[Signature]  
Inventor's Signature

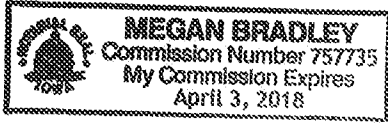
12/20/16  
DATE

Vandana Srivastava  
Inventor's Printed Name

STATE OF Iowa )  
COUNTY OF Polk ) SS

On this 20 day of December, 2016, before me personally came the above named Vandana Srivastava who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

use and purposes therein set forth.



Megan Bradley  
NOTARY PUBLIC

My Commission Expires: April 3, 2018

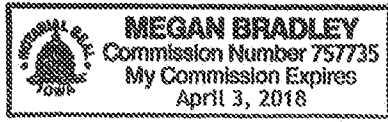
Norman Cloud  
Inventor's Signature

12/16/16  
DATE

Norman Cloud  
Inventor's Printed Name

STATE OF Iowa )  
COUNTY OF Polk ) SS

On this 16 day of December, 2016, before me personally came the above named Norman Cloud who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.



Megan Bradley  
NOTARY PUBLIC

My Commission Expires: April 3, 2018

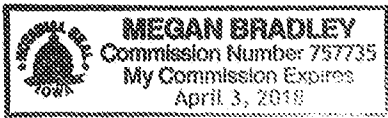
Dawn Clark  
Inventor's Signature

12/20/16  
DATE

Dawn Clark  
Inventor's Printed Name

STATE OF Iowa )  
COUNTY OF Polk ) SS

On this 20 day of December, 2016, before me personally came the above named Dawn Clark who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.



Megan Bradley  
NOTARY PUBLIC

My Commission Expires: April 3, 2018