

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT6861743

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|---|--------------------------|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT           |
| <b>NATURE OF CONVEYANCE:</b>  | NUNC PRO TUNC ASSIGNMENT |
| <b>EFFECTIVE DATE:</b>  | 03/15/2013               |
| <b>CONVEYING PARTY DATA</b>   |                          |
| <b>Name</b>   | <b>Execution Date</b>    |
| PAMELA J. DUGAN   | 12/04/2018               |
| SEAN DAVENPORT  | 12/12/2018               |
| MOHAMADKHEIR ALKHATEEB  | 12/12/2018               |
| <b>RECEIVING PARTY DATA</b>   |                          |
| <b>Name:</b>  | CARUS CORPORATION        |
| <b>Street Address:</b>  | 315 FIFTH STREET         |
| <b>City:</b>  | PERU                     |
| <b>State/Country:</b>   | ILLINOIS                 |
| <b>Postal Code:</b>   | 61354                    |
| <b>PROPERTY NUMBERS Total: 1</b>  |                          |
| <b>Property Type</b>  | <b>Number</b>            |
| <b>Application Number:</b>  | 16738775                 |
| <b>CORRESPONDENCE DATA</b>  |                          |
| <b>Fax Number:</b>  | (312)985-5999            |
| <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>   | 3129855900               |
| <b>Email:</b>   | ipdocket@clarkhill.com   |
| <b>Correspondent Name:</b>  | CLARK HILL PLC           |
| <b>Address Line 1:</b>  | 130 E. RANDOLPH ST.      |
| <b>Address Line 2:</b>  | SUITE 3900               |
| <b>Address Line 4:</b>  | CHICAGO, ILLINOIS 60601  |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 40581/398520             |
| <b>NAME OF SUBMITTER:</b>   | ADAM J. FROMM            |
| <b>SIGNATURE:</b>   | /Adam J. Fromm/          |
| <b>DATE SIGNED:</b>   | 08/12/2021               |
| <b>Total Attachments: 4</b>   |                          |
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| source=Assignment Inventors 398520#page2.tif  |                          |

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**NUNC PRO TUNC ASSIGNMENT**

WHEREAS, we, **Pamela J. Dugan**, having an address of 315 West McKinley Road, Ottawa, Illinois, 61350, **Sean Davenport**, having an address of 1429 Phelps St., Ottawa, Illinois, 61350, and **Mohamadkheir Alkhateeb**, having an address of 18450 Bonnie Lane, Brookfield, Wisconsin, 53045, have invented a certain new and useful invention for **SUSTAINED RELEASE REACTANT BLENDS** (the "Invention") for which: (i) a patent application was filed in the United States Patent Office on March 15, 2013 and was assigned Application No. **61/793,464**; (ii) a patent application was filed in the United States Receiving Office on March 14, 2014 and was assigned Application No. **PCT/US14/29247**; and a patent application was filed in the United States Patent Office on September 15, 2015 and was assigned Application No. **14/776,811**; (the "Applications").

WHEREAS, **CARUS CORPORATION**, a Delaware corporation, having a principal place of business at 315 5<sup>th</sup> Street, Peru, Illinois 61354, United States of America (the "Assignee") together with any successors, legal representatives or assigns thereof desires to acquire the entire right, title and interest in and to the Invention, the Applications above identified, and in, to and under all Letters Patent which may be obtained for said Invention, as herewith more fully set forth;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration to us in hand paid by the Assignee, the receipt of which is hereby acknowledged, we, Pamela J. Dugan, Sean Davenport, and Mohamadkheir Alkhateeb, have sold, assigned, transferred, and set over, and by these presents do hereby sell, assign, transfer and set over to and unto the Assignee, its successors and assigns, for, within, and throughout the United States and the territories thereof, and all foreign countries, **nunc pro tunc as of March 15, 2013**, the entire right, title, and interest in and to the Invention, and in, to and under the Applications, and all Letters Patent of the United States and foreign countries (including all priority rights that we may have or acquire under any International Convention or treaty) that may be granted for the Invention and improvements, including utility applications, designs, divisions, reissues, subdivisions, continuations, and prolongations of such applications and Letters Patent, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patents for the Invention may issue.

We do hereby covenant and agree, for ourselves, our heirs and our legal representatives, that we will assist the Assignee in the prosecution of the Applications herein identified; in the making and prosecution of any other applications for Letters Patent that the Assignee may elect to make covering the Invention herein identified, as hereinbefore set forth; in vesting in the Assignee like exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving the Invention, or any application or Letters Patent herein contemplated; and that we will execute and deliver to the Assignee any and all additional papers that may be requested by the Assignee to fully carry out the terms of this *Nunc Pro Tunc* Assignment.

And we do hereby authorize and request the Commissioner of Patents to issue all Letters Patent of the United States that may be granted pursuant to the Applications aforesaid, or for the Invention, to the Assignee, its successors and assigns, in accordance with this *Nunc Pro Tunc* Assignment.

Nunc Pro Tunc Assignment for Invention, including USPA 14/776,811

216958780.2 40581/185136

**PATENT**  
**REEL: 047793 FRAME: 0828**  
**PATENT**  
**REEL: 057161 FRAME: 0144**

IN WITNESS WHEREOF, I have hereunto set my hands and seal, this 14th day of December, 2018.

Pamela J. Dugan  
Pamela J. Dugan

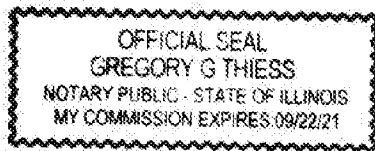
STATE OF Illinois

COUNTY OF LaSalle

This 12th day of December, 2018, before me personally came the above named **Pamela J. Dugan** to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that she executed the same of her own free will for the purposes therein set forth.

Gregory G. Thiess  
Notary Public

(Notarial Seal)



Nunc Pro Tunc Assignment for Invention, including USPA 14/776,811

216956780.2 40581/185136

**PATENT**  
**REEL: 047793 FRAME: 0829**  
**PATENT**  
**REEL: 057161 FRAME: 0145**

IN WITNESS WHEREOF, I have hereunto set my hands and seal, this 12<sup>th</sup> day of December, 2018.

Mohamad Alkhateeb  
Mohamadkhair Alkhateeb

STATE OF Illinois

COUNTY OF LaSalle

This 12<sup>th</sup> day of December, 2018, before me personally came the above named Mohamadkhair Alkhateeb to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Gregory G Thies  
Notary Public

(Notarial Seal)




Nunc Pro Tunc Assignment for Invention, including USPA 14/776,811

216956780.2 40561/185136

PATENT  
REEL: 047793 FRAME: 0830  
PATENT  
REEL: 057161 FRAME: 0146

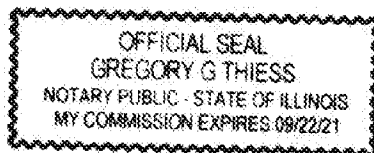
IN WITNESS WHEREOF, I have hereunto set my hands and seal, this 12 day of Dec, 2018.

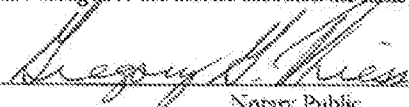
  
Sean Davenport

STATE OF Illinois  
COUNTY OF LaSalle

This 12th day of December, 2018, before me personally came the above named **Sean Davenport** to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

(Notarial Seal)



  
Notary Public

Nunc Pro Tunc Assignment for Invention, including USPA 14/776,811

218956780.2 40581/185136

RECORDED: 12/12/2018

RECORDED: 08/12/2021

PATENT  
REEL: 047793 FRAME: 0831  
PATENT

REEL: 057161 FRAME: 0147