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

EPAS ID: PAT7077687

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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>          |
| RANJIT PANDHER  | 12/01/2021                     |
| NIVEDITHA NAGARAJAN   | 12/02/2021                     |
| ANIL KUMAR  | 12/13/2021                     |
| MORGANA DE AVILA RIBAS  | 12/10/2021                     |
| GYAN DUTT   | 12/06/2021                     |
| SIULI SARKAR  | 12/10/2021                     |
| CARL BILGRIEN   | 12/10/2021                     |
| <b>RECEIVING PARTY DATA</b>   |                                |
| <b>Name:</b>  | ALPHA ASSEMBLY SOLUTIONS INC.  |
| <b>Street Address:</b>  | 245 FREIGHT STREET             |
| <b>City:</b>  | WATERBURY                      |
| <b>State/Country:</b>   | CONNECTICUT                    |
| <b>Postal Code:</b>   | 06702                          |
| <b>PROPERTY NUMBERS Total: 1</b>  |                                |
| <b>Property Type</b>  | <b>Number</b>                  |
| <b>Application Number:</b>  | 17309818                       |
| <b>CORRESPONDENCE DATA</b>  |                                |
| <b>Fax Number:</b>  | (314)863-9388                  |
| <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>   | 13148630800                    |
| <b>Email:</b>   | stl.uspatents@stinson.com      |
| <b>Correspondent Name:</b>  | STINSON LLP                    |
| <b>Address Line 1:</b>  | 7700 FORSYTH BLVD., SUITE 1100 |
| <b>Address Line 4:</b>  | ST. LOUIS, MISSOURI 63105      |
| <b>ATTORNEY DOCKET NUMBER:</b>  | ALPH1025.US AXJ                |
| <b>NAME OF SUBMITTER:</b>   | ANITA JURIC                    |
| <b>SIGNATURE:</b>   | /anita juric/                  |
| <b>DATE SIGNED:</b>   | 12/16/2021                     |

**Total Attachments: 8**

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ASSIGNMENT

WHEREAS, We, Ranjit PANDHER, Niveditha NAGARAJAN, Anil KUMAR, Morgana de Avila RIBAS, Gyan DUTT, Siuli SARKAR, and Carl BILGRIEN have invented an improvement in LEAD-FREE SOLDER COMPOSITIONS (ALPH1025.US) and have executed an International Application based thereon assigned Serial No. PCT/EP2019/025490, filed December 26, 2019, and U.S. National Phase Application Serial No. 17/309,818, filed June 21, 2021, which claim priority to U.S. Provisional Application No. 62/788,169, filed January 4, 2019, and U.S. Provisional Application No. 62/785,293, filed December 27, 2018,

AND, WHEREAS, Alpha Assembly Solutions Inc. of Waterbury, CT, a corporation of the State of Delaware (hereinafter referred to as "ASSIGNEES") are desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for one dollar and other good and valuable consideration, receipt of all of which is hereby acknowledged, we have agreed to and do hereby sell, assign and transfer unto said ASSIGNEES the entire right, title and interest, including the right to claim priority, in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said invention, said International Application, any United States applications (including provisional, non-provisional, divisional, continuing, or reissue applications) based in whole or in part on said

International Application or in whole or in part on said invention, any foreign applications based in whole or in part on any of the aforesaid International or United States applications or in whole or in part on said invention, and any and all patents (including extensions thereof) of any country which have been or may be granted on any of the aforesaid applications or on said invention or any part thereof;

TO BE HELD AND ENJOYED by said ASSIGNEES, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us had no sale and assignment of said interest been made;

AND We hereby authorize and request the Director of the United States Patent and Trademark Office of the United States of America to issue any and all United States patents which may be granted upon said United States applications or any of them, or upon said invention or any part thereof, to said ASSIGNEES;

AND We hereby jointly and severally agree for ourselves and for our respective heirs, executors and administrators, to execute without further consideration any further lawful documents and any further assurances, and any provisional, non-provisional, divisional, continuing, reissue, or other applications for patents of any country, that may be deemed necessary by said ASSIGNEES fully to secure to said ASSIGNEES its interest as aforesaid in and to said invention or any part thereof, and in and to said several patents or any of them;

AND We hereby jointly and severally covenant for ourselves and our respective legal representatives that we have granted no right or license to make, use or sell said invention, to anyone except said ASSIGNEES, that prior to the execution of this deed our right, title and interest in said invention had not been otherwise encumbered, and that we have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, we have hereunto set our hands.

Dec 01, 2021  
Date

  
Ranjit PANDHER

\_\_\_\_\_  
Date

\_\_\_\_\_  
Niveditha NAGARAJAN


\_\_\_\_\_  
Date

\_\_\_\_\_  
Anil KUMAR

\_\_\_\_\_  
Date

\_\_\_\_\_  
Morgana de Avila RIBAS

12/06/2021  
Date

  
Gyan DUTT

\_\_\_\_\_  
Date

\_\_\_\_\_  
Siuli SARKAR

\_\_\_\_\_  
Date

\_\_\_\_\_  
Carl BILGRIEN

.....  
Date Ranjit PANDHER

12/2/2011 

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Date Niveditha NAGARAJAN

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Date Anil KUMAR

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Date Morgane de Avila RIBAS

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Date Gyan DUTT

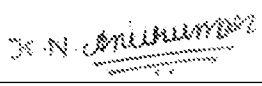
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Date Siuli SARKAR

.....  
Date Carl  
BILGRIEN .....

.....  
CORRECT SHEET (15/11/2001) K.1

**AND We** hereby jointly and severally covenant for ourselves and our respective legal representatives that we have granted no right or license to make, use or sell said invention, to anyone except said **ASSIGNEES**, that prior to the execution of this deed our right, title and interest in said invention had not been otherwise encumbered, and that we have not executed and will not execute any instrument in conflict herewith.

**IN WITNESS WHEREOF**, we have hereunto set our hands.

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|-------------|--|
| _____       | _____  |
| Date        | Ranjit PANDHER   |
| _____       | _____  |
| Date        | Niveditha NAGARAJAN  |
| 13-Dec-2021 |  |
| _____       | _____  |
| Date        | Anil KUMAR   |
| _____       | _____  |
| Date        | Morgana de Avila RIBAS   |
| _____       | _____  |
| Date        | Gyan DUTT  |
| _____       | _____  |
| Date        | Siuli SARKAR   |
| _____       | _____  |
| Date        | Carl BILGRIEN _____  |
| _____       | _____  |

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Date Ranjit PANDHER

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Date Niveditha NAGARAJAN

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Date Anil KUMAR

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Date *Morgana de Avila RIBAS*  
Date Morgana de Avila RIBAS

.....  
Date Gyan DUTT

.....  
Date Siuli SARKAR

.....  
Date Carl BILGRIEN




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| _____      | _____                  |
| Date       | Ranjit PANDHER         |
| _____      | _____                  |
| Date       | Niveditha NAGARAJAN    |
| _____      | _____                  |
| Date       | Anil KUMAR             |
| _____      | _____                  |
| Date       | Morgana de Avila RIBAS |
| _____      | _____                  |
| Date       | Gyan DUTT              |
| 10/12/2021 | <i>S Sankar</i>        |
| _____      | _____                  |
| Date       | Siuli SARKAR           |
| _____      | _____                  |
| Date       | Carl BILGRIEN          |
| _____      | _____                  |

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| _____      | _____   |
| Date       | Ranjit PANDHER  |
| _____      | _____   |
| Date       | Niveditha NAGARAJAN   |
| _____      | _____   |
| Date       | Anil KUMAR  |
| _____      | _____   |
| Date       | Morgana de Avila RIBAS  |
| _____      | _____   |
| Date       | Gyan DUTT   |
| _____      | _____   |
| Date       | Siuli SARKAR  |
| 12/10/2021 |  |
| _____      | _____   |
| Date       | Carl BILGRIEN   |
| _____      | _____   |