PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
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| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| MASAFUMI ODA | 04/18/2020 |
| TSUBASA ITAKURA | 04/17/2020 |
| SHO YAMAZAWA | 04/17/2020 |
| KATSUTOSHI SUZUKI | 04/17/2020 |
| KAZUNARI TAKEDA | 04/18/2020 |

RECEIVING PARTY DATA

| Name: | CENTRAL GLASS CO., LTD. | |
|-----------------|-------------------------------|--|
| Street Address: | 7-1 KANDA-NISHIKICHO, 3-CHOME | |
| City: | CHIYODA-KU, TOKYO | |
| State/Country: | JAPAN | |
| Postal Code: | 101-0054 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16858671 |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: | P201907566US01 | |
|-------------------------|----------------|--|
| NAME OF SUBMITTER: | KAREN CANAAN | |
| SIGNATURE: | /Karen Canaan/ | |
| DATE SIGNED: | 04/26/2020 | |

Total Attachments: 2

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PATENT REEL: 052497 FRAME: 0149

ASSIGNMENT OF PATENT RIGHTS

WHEREAS WE, MASAFUMI ODA of Asaka, Japan, TSUBASA ITAKURA of Miyoshi, Japan, SHO YAMAZAWA of Fujimino, Japan, KATSUTOSHI SUZUKI of Hino, Japan, and KAZUNARI TAKEDA of Tsurugashima, Japan (hereinafter referred to as the "ASSIGNORS"), have invented certain new and useful improvements in:

LIQUID CATHODE FORMULATION FOR RECHARGEABLE METAL HALIDE BATTERY

for which we are about to file an application for Letters Patent of the United States of America:

AND WHEREAS, CENTRAL GLASS CO., LTD. (hereinafter referred to as "ASSIGNEE"), a corporation organized and existing under the laws of the Country of Japan, having a place of business at Kowa-Hitotsubashi Building, 7-1 Kanda-Nishikicho 3-chome, Chiyoda-ku, Tokyo, Japan, is desirous of acquiring an interest in the United States and foreign countries, in and to the said invention and Letters Patent to be obtained thereof:

NOW THEREOF, TO ALL OF WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS have assigned and transferred and hereby assign and transfer unto the said ASSIGNEE, the entire right, title, and interest in and to said invention in the United States and in all foreign countries, including priority rights, as fully set forth and described in said Letters Patent on said application, and any and all Letters Patent that may be issued upon any and all revivals, re-filings, continuations, continuations-in-part, divisions, and reissues thereof, to the said ASSIGNEE, and assignee of the entire right, title, and interest in and to the same, for the sole use and behoof of ASSIGNEE, may apply for foreign Letters Patent on said invention and that we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by the said ASSIGNEE, its successors or assigns, and that we will, at the cost and expense of the said ASSIGNEE, fully assist and cooperate in all matters in connection with the United States and foreign applications and patents issuing thereon.

The undersigned declare that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

(signature page follows)

IBM DOCKET NUMBER: P201907566US01

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|--------------------|-------------------|
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