PATENT ASSIGNMENT COVER SHEET

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>YOSHIUMI KATAYAMA</td>
<td>04/24/2015</td>
</tr>
<tr>
<td>JIRO KAWAI</td>
<td>04/24/2015</td>
</tr>
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RECEIVING PARTY DATA

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<thead>
<tr>
<th>Name:</th>
<th>SHINKO ELECTRIC INDUSTRIES CO., LTD.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Address:</td>
<td>80, OSHIMADA-MACHI,</td>
</tr>
<tr>
<td>City:</td>
<td>NAGANO-SHI, NAGANO</td>
</tr>
<tr>
<td>State/Country:</td>
<td>JAPAN</td>
</tr>
<tr>
<td>Postal Code:</td>
<td>381-2287</td>
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PROPERTY NUMBERS Total: 1

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<tr>
<th>Property Type</th>
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<tr>
<td>Application Number</td>
<td>14707322</td>
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CORRESPONDENCE DATA

Fax Number: (202)887-0357

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.

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ATTORNEY DOCKET NUMBER: 150115

NAME OF SUBMITTER: MEL R. QUINTOS

SIGNATURE: /MRQ/

DATE SIGNED: 06/11/2015

Total Attachments: 1
source=150115-Assignment#page1.tif
U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar ($1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by Shinko Electric Industries Co., Ltd.,
801, Oshimada-machi, Nagano-shi, Nagano 381-2287 Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled:

ELECTROSTATIC CHUCK AND SEMICONDUCTOR-LIQUID CRYSTAL MANUFACTURING APPARATUS

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

May 8, 2015
filed on ____, Serial No. 14/707,322

(Kratz, Quintos & Hanson, LLP is hereby authorized to insert the serial code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefor on said application or any continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

Yoshifumi KATAYAMA
Type Name:

Jiro KAWAI
Type Name:

April 24, 2015
Date:

April 24, 2015
Date:

(NO LEGALIZATION REQUIRED)