

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Hideki HIROTSURU</td><td>07/01/2011</td></tr><tr><td>Satoshi HIGUMA</td><td>06/30/2011</td></tr><tr><td>Shinya NARITA</td><td>07/01/2011</td></tr><tr><td>Yoshihiko TSUJIMURA</td><td>07/05/2011</td></tr></tbody></table>	Name	Execution Date	Hideki HIROTSURU	07/01/2011	Satoshi HIGUMA	06/30/2011	Shinya NARITA	07/01/2011	Yoshihiko TSUJIMURA	07/05/2011	
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Yoshihiko TSUJIMURA	07/05/2011										
RECEIVING PARTY DATA											
Name:	DENKI KAGAKU KOGYO KABUSHIKI KAISHA										
Street Address:	1-1, Nihonbashi-Muromachi 2-chome, Chuo-ku										
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State/Country:	JAPAN										
Postal Code:	103-8338										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13148977</td></tr></tbody></table>	Property Type	Number	Application Number:	13148977							
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Application Number:	13148977										
CORRESPONDENCE DATA											
Fax Number: (703)413-2220 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	382167US99PCT										
NAME OF SUBMITTER:	Adel Samuel										
Total Attachments: 2 source=382167USAssignment#page1.tif source=382167USAssignment#page2.tif											

OP \$40.00 13148977

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PATENT
REEL: 026749 FRAME: 0047

Docket No. 382167US99PCT

Assignment of Application

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS

WHEREAS, I (WE) 1) Hideki HIROTSURU2) Satoshi HIGUMA3) Shinya NARITAAll of :- c/o Denki Kagaku Kogyo Kabushiki Kaisha Omuta Plant, 1, Shinkai-machi, Omuta-shi,
Fukuoka 836-8510, Japan4) Yoshihiko TSUJIMURA of:-c/o Denki Kagaku Kogyo Kabushiki Kaisha ELECTRONIC MATERIALS BUSINESS UNIT, 1-
1, Nihonbashi-Muromachi 2-chome, Chuo-ku, Tokyo 103-8338, Japan

, respectively,

INSERT TITLE OF
INVENTION

have invented certain new and useful improvements in: SUBSTRATE COMPRISING ALUMINUM/GRAPHITE
COMPOSITE, HEAT DISSIPATION PART COMPRISING SAME, AND LED LUMINESCENT MEMBER(Application No. 13/148,977, filed August 11, 2011), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

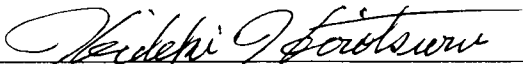
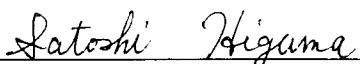

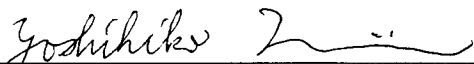
WHEREAS, DENKI KAGAKU KOGYO KABUSHIKI KAISHA(hereinafter referred to as "ASSIGNEE") having a place of business at: 1-1, Nihonbashi-Muromachi 2-chome, Chuo-
ku, Tokyo 103-8338, Japan is desirous of acquiring the entire right, title and interest in and to said invention and in and
to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all
foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: <u>1 July 2011</u>	<u></u> (Signature of Inventor) Hideki HIROTSURU
Date: <u>30 Jun 2011</u>	<u></u> (Signature of Inventor) Satoshi HIGUMA
Date: <u>1 July 2011</u>	<u></u> (Signature of Inventor) Shinya NARITA
Date: <u>5 July 2011</u>	<u></u> (Signature of Inventor) Yoshihiko TSUJIMURA
Date: _____	_____ (Signature of Inventor)
Date: _____	_____ (Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314