

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>Mikiko SAITO</td> <td>12/18/2012</td> </tr> <tr> <td>Takashi NOTAKE</td> <td>12/18/2012</td> </tr> <tr> <td>Hiroaki MINAMIDE</td> <td>12/18/2012</td> </tr> <tr> <td>Hiromasa ITO</td> <td>12/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Mikiko SAITO	12/18/2012	Takashi NOTAKE	12/18/2012	Hiroaki MINAMIDE	12/18/2012	Hiromasa ITO	12/19/2012
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<table border="1"> <tr> <td>Name:</td> <td>RIKEN</td> </tr> <tr> <td>Street Address:</td> <td>2-1, Hirosawa</td> </tr> <tr> <td>City:</td> <td>Wako-shi, Saitama</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>351-0198</td> </tr> </table>		Name:	RIKEN	Street Address:	2-1, Hirosawa	City:	Wako-shi, Saitama	State/Country:	JAPAN	Postal Code:	351-0198
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: 3126165700 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 312-616-5600 Email: assignments@leydig.com</p> <p>Correspondent Name: LEYDIG VOIT & MAYER, LTD Address Line 1: TWO PRUDENTIAL PLAZA, SUITE 4900 Address Line 2: 180 NORTH STETSON AVENUE Address Line 4: CHICAGO, ILLINOIS 60601-6731</p>											
ATTORNEY DOCKET NUMBER:	711735										
NAME OF SUBMITTER:	John Kilyk, Jr.										
<p>Total Attachments: 2 source=13-807187[Leydig711735]Assignment#page1.tif source=13-807187[Leydig711735]Assignment#page2.tif</p>											

CH \$40.00 13807187

ASSIGNMENT

WHEREAS, I/WE

- (1) Mikiko SAITO c/o RIKEN, 2-1, Hirosawa, Wako-shi, Saitama 351-0198 Japan,
 - (2) Takashi NOTAKE c/o RIKEN, 2-1, Hirosawa, Wako-shi, Saitama 351-0198 Japan,
 - (3) Hiroaki MINAMIDE c/o RIKEN, 2-1, Hirosawa, Wako-shi, Saitama 351-0198 Japan,
- and
- (4) Hiromasa ITO c/o RIKEN, 2-1, Hirosawa, Wako-shi, Saitama 351-0198 Japan.

hereinafter referred to as Assignor, have invented a certain invention entitled:

BNA CRYSTAL

for which invention an application (provisional or non-provisional) for a U.S. patent was filed on December 27, 2012, under U.S. Application No. 13/807,187, and

WHEREAS, RIKEN of 2-1, Hirosawa, Wako-shi, Saitama, 351-0198, Japan, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title, and interest in, to, and under the invention described in the patent application, including the entire priority right derived from the application,

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

Assignor assigns and transfers to Assignee and Assignee's legal representatives, successors, and assigns the entire right, title, and interest in, to, and under the invention, the referenced patent application, other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, national and regional phase applications, petty patent applications, and utility model applications) that may be filed in the U.S. and/or any country foreign to the U.S. on the invention, the patents that may issue thereon, and the patents as may be modified as the result of applicable procedures (e.g., supplemental examinations, ex parte reexaminations, inter partes reexaminations, inter partes reviews, post-grant reviews, and oppositions),

Assignor conveys to the Assignee the right to make applications in Assignee's own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim priority to the referenced patent application and other such applications that may be filed in the U.S. or any country foreign to the U.S. on the invention under the Patent Cooperation Treaty, the Paris Convention, and any other international arrangements,

In re Appln. of Saito et al.
Attorney Docket No. 711735

Assignor will not execute any writing or do any act conflicting with the terms of this assignment,

Assignor will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to pursue the patent applications identified herein, including, but not limited to, rendering all necessary assistance in making applications for and obtaining patents that may issue thereon in the U.S. and any countries foreign to the U.S. on the invention, and in enforcing any rights accruing as a result of such applications or patents, by, for example, executing statements and other affidavits,

Assignor and Assignee agree the terms of this assignment shall bind, and inure to the benefit of, the legal representatives, successors, and assigns of all parties hereto,

Assignor authorizes Assignee to insert in this assignment the number and filing date of the application if the number and filing date of the application are not recited herein at the time of execution of this assignment by any or all of the parties hereto,

Assignor and Assignee agree that U.S. law governs this assignment, and

Assignee acknowledges and accepts this assignment.

IN WITNESS WHEREOF, Assignor has hereunder set his/her hand on the date shown below,

Date Dec 18, 2012 Mikiko Saito
Assignor: Mikiko SAITO

Date Dec. 18, 2012 Takashi Notake
~~Dec. 18, 2012~~ ~~Takashi Notake~~
Assignor: Takashi NOTAKE

Date Dec. 18, 2012 Hiroaki Minamide
~~Dec. 18, 2012~~ ~~Hiroaki Minamide~~
Assignor: Hiroaki MINAMIDE

Date Dec. 19, 2012 Hiromasa ITO
Assignor: Hiromasa ITO