

## 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>Shigeyuki HARADA</td> <td>03/26/2012</td> </tr> <tr> <td>Masaomi SASAKI</td> <td>03/26/2012</td> </tr> </tbody> </table>		Name	Execution Date	Shigeyuki HARADA	03/26/2012	Masaomi SASAKI	03/26/2012		
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Masaomi SASAKI	03/26/2012								
RECEIVING PARTY DATA									
<table border="1"> <tr> <td>Name:</td> <td>Ricoh Company, Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>3-6, Nakamagome 1-chome, Ohta-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table>		Name:	Ricoh Company, Ltd.	Street Address:	3-6, Nakamagome 1-chome, Ohta-ku	City:	Tokyo	State/Country:	JAPAN
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PROPERTY NUMBERS Total: 1									
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Application Number:	13434166								
CORRESPONDENCE DATA									
<p>Fax Number: (703)413-2220          Phone: (703) 413-3000          Email: aworden@oblon.com  <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Oblon, Spivak, et al.          Address Line 1: 1940 Duke Street          Address Line 4: Alexandria, VIRGINIA 22314</p>									
ATTORNEY DOCKET NUMBER:	397242US99								
NAME OF SUBMITTER:	Alva T. Worden								
Total Attachments: 2 source=397242USASSIGN#page1.tif source=397242USASSIGN#page2.tif									

OP \$40.00 13434166

## Assignment of Application

INSERT NAMES  
AND RESIDENCE  
ADDRESS OF  
THE INVENTORS

WHEREAS, I (WE) Shigeyuki Harada of Tokyo, Japan and

Masaomi Sasaki of Tokyo, Japan

INSERT TITLE OF  
INVENTION

have invented certain new and useful improvements in: CARBAZOLE DERIVATIVE AND SEMICONDUCTOR  
NANOCRYSTAL

(Application No. \_\_\_\_\_, filed \_\_\_\_\_), and

WHEREAS, Ricoh Company, Ltd.

INSERT NAME  
AND ADDRESS OF  
COMPANY OR  
OTHER ASSIGNEE

(hereinafter referred to as "ASSIGNEE") having a place of business at: 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo, 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 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.

12/04

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, P.C. 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: March 26, 2012

Shigeyuki Harada  
(Signature of Inventor) Shigeyuki Harada

Date: March 26, 2012

Masaomi Sasaki  
(Signature of Inventor) Masaomi Sasaki

**OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.**  
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1940 DUKE STREET  
ALEXANDRIA, VIRGINIA 22314