

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Hajime Yokoi</td><td>09/11/2008</td></tr><tr><td>Yuko Abe</td><td>09/11/2008</td></tr><tr><td>Ryo Shoda</td><td>09/11/2008</td></tr><tr><td>Eiichi Kitazume</td><td>09/11/2008</td></tr></tbody></table>	Name	Execution Date	Hajime Yokoi	09/11/2008	Yuko Abe	09/11/2008	Ryo Shoda	09/11/2008	Eiichi Kitazume	09/11/2008	
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Hajime Yokoi	09/11/2008										
Yuko Abe	09/11/2008										
Ryo Shoda	09/11/2008										
Eiichi Kitazume	09/11/2008										
RECEIVING PARTY DATA											
Name:	Toppan Printing Co., Ltd.										
Street Address:	1-5-1 Taito, Taito-ku										
City:	Tokyo										
State/Country:	JAPAN										
Postal Code:	110-8560										
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>12211789</td></tr></tbody></table>	Property Type	Number	Application Number:	12211789							
Property Type	Number										
Application Number:	12211789										
CORRESPONDENCE DATA											
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ATTORNEY DOCKET NUMBER:	038915.00147										
NAME OF SUBMITTER:	Cameron K. Kerrigan, Reg. No. 44,826										
Total Attachments: 2 source=38915_147Assignment#page1.tif											

CH \$40.00 12211789

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PATENT
REEL: 021538 FRAME: 0690

ASSIGNMENT

- | | |
|-------------------------------------|---------------------|
| (1-4) Insert Name(s) of Inventor(s) | (1) Hajime Yokoi |
| | (2) Yuko Abe |
| | (3) Ryo Shoda |
| | (4) Eiichi Kitazume |

For good and valuable consideration, receipt of which is hereby acknowledged, the undersigned agrees to assign, hereby does assign, transfer and set over to:

- | | |
|--|---|
| (5) Insert Name of Assignee | (5) Toppan Printing Co., Ltd. |
| (6) Insert State of Incorporation of Assignee | (6) Japan |
| (7) Insert Address of Assignee | (7) of: 1-5-1 Taito, Taito-ku, Tokyo 110-8560, Japan (hereinafter designated as the Assignee) the entire worldwide right, title, interest, and patent applications and patents for every country, including divisions, reissues, continuations and all other extensions, rights and priorities in the invention known as and related to |
| (8) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number | (8) Title: METHOD FOR MANUFACTURING ORGANIC FUNCTIONAL LAYER AND ORGANIC FUNCTIONAL DEVICE, AND ORGANIC FUNCTIONAL DEVICE MANUFACTURING APPARATUS |

Case No. 038915.00147, Serial No.: _____ for which the undersigned has executed an application for patent in the United States of America

- | | |
|---|--------------|
| (9) Insert Date of Signing of Application | (9) on _____ |
|---|--------------|

- 1) The undersigned agrees to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.
- 2) The undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) The undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) The undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.
- 5) The undersigned hereby authorizes and requests the Commissioner of Patents and the duly constituted authorities of foreign countries to issue any and all Letters Patents resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, its successors and assigns, as Assignee of the entire right, title and interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has not executed and will not execute any agreement in conflict herewith.
- 6) *The undersigned hereby grant(s)*

**The practitioners associated with the Customer Number
44955**

the power to insert on this assignment any further identification 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 Sep. 11, 2008

Name of Inventor: Hajime Yokoi

Hajime Yokoi

Date Sep. 11, 2008

Name of Inventor: Yuko Abe

Yuko Abe

Date Sep. 11, 2008

Name of Inventor: Ryo Shoda

Ryo Shoda

Date Sep. 11, 2008

Name of Inventor: Eiichi Kitazume

Eiichi Kitazume