

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>Shinji MAKIKAWA</td> <td>09/02/2013</td> </tr> <tr> <td>Akira YAHAGI</td> <td>09/02/2013</td> </tr> <tr> <td>Akio IKESUE</td> <td>09/02/2013</td> </tr> </tbody> </table>		Name	Execution Date	Shinji MAKIKAWA	09/02/2013	Akira YAHAGI	09/02/2013	Akio IKESUE	09/02/2013
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<table border="1"> <tr> <td>Name:</td> <td>Shin-Etsu Chemical Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>6-1, Ohtemachi 2-chome, Chiyoda-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table>		Name:	Shin-Etsu Chemical Co., Ltd.	Street Address:	6-1, Ohtemachi 2-chome, Chiyoda-ku	City:	Tokyo	State/Country:	JAPAN
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PROPERTY NUMBERS Total: 1									
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CORRESPONDENCE DATA									
<p>Fax Number: 2028221111 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-822-1100 Email: patentmail@whda.com Correspondent Name: Westerman, Hattori, Daniels & Adrian LLP Address Line 1: 1250 Connecticut Ave., NW Address Line 2: Suite 700 Address Line 4: Washington, DISTRICT OF COLUMBIA 20036</p>									
ATTORNEY DOCKET NUMBER:	131132								
NAME OF SUBMITTER:	Sadao Kinashi								
Signature:	/Sadao Kinashi/								
Date:	09/18/2013								
Total Attachments: 1 source=131132_Assignment_09-12-2013#page1.tif									

OP \$40.00 14005053

U.S. ASSIGNMENT(Insert ASSIGNEE's
Name(s) Address(es))FOR GOOD AND VALUABLE CONSIDERATION, the adequacy and receipt of which is hereby
acknowledged by the undersigned inventor(s) (hereinafter ASSIGNOR) by**Shin-Etsu Chemical Co., Ltd. of
6-1, Ohtemachi 2-chome, Chiyoda-ku, Tokyo, Japan**(hereinafter ASSIGNEE), the undersigned ASSIGNOR hereby sells, assigns and transfers to
ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of Invention)

**TRANSPARENT CERAMIC, METHOD FOR MANUFACTURING SAME,
AND MAGNETO-OPTICAL DEVICE**for which application for Letters Patent of the United States was executed on even date herewith
unless otherwise indicated below:

filed on _____ Application No. _____

(Westerman, Hattori, Daniels & Adrian, LLP is hereby authorized to insert the series code, serial
number and/or filing date hereon, when known)and all Letters Patent of the United States to be obtained therefore 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)

<u>Shinji Makikawa</u> (Signature)	<u>Shinji MAKIKAWA</u> (Type Name)	<u>September 2, 2013</u> (Date)
<u>Akira Yahagi</u> (Signature)	<u>Akira YAHAGI</u> (Type Name)	<u>September 2, 2013</u> (Date)
<u>Akio Ikasue</u> (Signature)	<u>Akio IKESUE</u> (Type Name)	<u>September 2, 2013</u> (Date)
_____ (Signature)	_____ (Type Name)	_____ (Date)

NO LEGALIZATION REQUIRED