

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hideaki YAMADA</td> <td>11/04/2009</td> </tr> <tr> <td>Akiyoshi CHAYAHARA</td> <td>11/04/2009</td> </tr> <tr> <td>Yoshiaki MOKUNO</td> <td>11/09/2009</td> </tr> <tr> <td>Shinichi SHIKATA</td> <td>11/04/2009</td> </tr> </tbody> </table>		Name	Execution Date	Hideaki YAMADA	11/04/2009	Akiyoshi CHAYAHARA	11/04/2009	Yoshiaki MOKUNO	11/09/2009	Shinichi SHIKATA	11/04/2009
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CORRESPONDENCE DATA											
<p>Fax Number: (202)822-1111 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-822-1100</p> <p>Email: patentmail@whda.com</p> <p>Correspondent Name: Westerman, Hattori, Daniels & Adrian LLP</p> <p>Address Line 1: 1250 Connecticut Ave., N.W.</p> <p>Address Line 2: Suite 700</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20036</p>											
ATTORNEY DOCKET NUMBER:	091471										
NAME OF SUBMITTER:	William F. Westerman										
Total Attachments: 1											

OP \$40.00 12646163

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PATENT
REEL: 023723 FRAME: 0345

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by
**NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY, of
3-1, Kasumigaseki 1-chome, Chiyoda-ku, Tokyo 1008921, Japan**

(Insert ASSIGNEE's
Name(s) Address(es))

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, 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)

**LARGE DIAMOND CRYSTAL SUBSTRATES AND METHODS FOR PRODUCING
THE SAME**

for which application for Letters Patent of the United States was executed on even date herewith
unless otherwise indicated below:

filed on _____ Serial 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>山田 英明</u> (Signature)	<u>Hideaki YAMADA</u> (Type Name)	<u>4/11/2009</u> (Date)
<u>茶谷原 昭義</u> (Signature)	<u>Akiyoshi CHAYAHARA</u> (Type Name)	<u>4/11/2009</u> (Date)
<u>木野 由明</u> (Signature)	<u>Yoshiaki MOKUNO</u> (Type Name)	<u>9/11/2009</u> (Date)
<u>鹿田 直一</u> (Signature)	<u>Shinichi SHIKATA</u> (Type Name)	<u>4/11/2009</u> (Date)
_____ (Signature)	_____ (Type Name)	_____ (Date)
_____ (Signature)	_____ (Type Name)	_____ (Date)

NO LEGALIZATION REQUIRED

PATENT

RECORDED: 12/31/2009

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