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1. Name of conveying party(ies):

Yoshihisa ABE  
Shunichi SUZUKI  
Hideo NAKANISHI  
Jun KOMIYAMA

2. Name and address of receiving party(ies):

TOSHIBA CERAMICS CO., LTD.  
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Tokyo 141-0032 Japan

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Additional conveying party(ies)

NO

3. Nature of conveyance:

ASSIGNMENT

Execution Date:

June 7, 2005

Additional name(s) &amp; address(es) attached?

NO

4. Application number(s) or patent number(s):

If this is being filed together with a new application, the execution date of the application is:

June 7, 2005

A. Patent Application Number(s):

B. Patent Number(s):

Additional numbers attached? NO

5. Name and address of party to whom correspondence concerning document should be mailed:

Richard L. Schwaab  
FOLEY & LARDNER LLP  
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Washington, D.C. 20007-5143

6. Total number of applications/patents involved:

1

7. Total fee (37 C.F.R. § 3.41):

\$40.00

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8. Deposit account number: 19-0741

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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. The Commissioner is hereby authorized to charge any additional recordation fees which may be required in this matter to the above-identified deposit account.

Richard L. Schwaab

July 6, 2005

Name of person signing

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PATENT  
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**ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

name and  
address of  
assignee

TOSHIBA CERAMICS CO., LTD.

6-3, Ohsaki 1-chome, Shinagawa-ku, Tokyo 141-0032 Japan

(hereinafter, ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to

title of  
invention

SUBSTRATE FOR GROWING ELECTRO-OPTICAL SINGLE CRYSTAL  
THIN FILM AND METHOD OF MANUFACTURING THE SAME

as set forth in his United States Patent Application

check one

☒ executed concurrently herewith

☐ executed on \_\_\_\_\_

☐ Serial No. \_\_\_\_\_ Filed \_\_\_\_\_

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

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Each of the undersigned hereby grants the firm of FOLEY & LARDNER the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

NAMES AND SIGNATURES OF INVENTORS		
Name: Yoshihisa ABE	Signature: <i>Yoshihisa Abe</i>	Date: June 7, 2005
Name: Shunichi SUZUKI	Signature: <i>Shunichi Suzuki</i>	Date: June 7, 2005
Name: Hideo NAKANISHI	Signature: <i>H. Nakanishi</i>	Date: June 7, 2005
Name: Jun KOMIYAMA	Signature: <i>Jun Komiyama</i>	Date: June 7, 2005
NAMES AND SIGNATURES OF WITNESSES		
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Name:	Signature:	Date:

Note: *Prima facie* evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.

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