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of an original document.

1. Name of conveying party(ies):

Hidetoshi SAITOH  
Shigeo OHSIO  
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Atsushi NAKAMURA  
Masanori FURUKAWA

Name and address of receiving party(ies):

CHUBU CHELEST CO., LTD.  
2-7-1102, Asahimachi 1-chome, Abeno-ku  
Osaka-shi, Osaka-fu, Japan

Hidetoshi SAITOH  
1769-1, Fukasawamachi  
Nagaoka-shi, Niigata-ken, Japan

Additional name(s) attached?  Yes  No

Additional names/addresses attached?  Yes  No

3. Nature of conveyance:

- Assignment
- Merger
- Security Agreement
- Change of Name
- Other:

09/673928

Execution Date: November 28, 2000

4. Application number(s) or patent number(s): 09/673,920

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

A. Patent Application No.(s): 09/673,920

B. Patent No.(s):

Additional numbers attached?  Yes  No

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

**Randolph A. Smith**  
**SMITH PATENT OFFICE**  
**1901 Pennsylvania Ave., N.W.**  
**Suite 200**  
**Washington, D.C. 20006**

6. Total number of applications/patents involved: 1

7. Total fee (37 CFR 3.41): \$40

- Enclosed
- Authorized to charge deposit account

8. Deposit account number: 19-2586

If the fee above is being charged to deposit account, a duplicate copy of this cover sheet is attached. Please apply any additional charges, or any credits, to our Deposit Account No. 19-2586.

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9. Statement and signature: *To the best of my knowledge and belief, the foregoing information is true and correct and the attached is a true copy of the original document.*

Randolph A. Smith  
Name of Person Signing

Randolph A. Smith  
Signature  
*Reg. No. 32548*

December 13, 2000  
Date

Total number of pages including cover sheet, attachments, and document: 8

## ASSIGNMENT

For value received, we,

Hidetoshi SAITOH residing at 1769-1, Fukasawamachi, Nagaoka-shi, Niigata-ken, Japan,  
Shigeo OHSHIO residing at 1641-2, Kou, Raikouji, Koshiji-machi, Santo-gun,  
Niigata-ken, Japan,

Ryo SATOH residing at 10-12, Shimoyanagi 2-chome, Nagaoka-shi, Niigata-ken, Japan,  
Nobuyoshi NAMBU, Atsushi NAKAMURA and Masanori FURUKAWA residing at  
c/o Yokkaichi Works in Chubu Chelest Co., Ltd., 3-3, Hingahigashi 3-chome,  
Yokkaichi-shi, Mie-ken, Japan,

hereby sell, assign, and transfer to CHUBU CHELEST CO., LTD.,

a corporation existing under the laws of Japan, located at 2-7-1102, Asahimachi  
1-chome, Abeno-ku, Osaka-shi, Osaka-fu, Japan, and

Hidetoshi SAITOH residing at 1769-1, Fukasawamachi, Nagaoka-shi, Niigata-ken, Japan,  
and its successors, assigns, and legal representatives, the entire right, title, and interest for  
all countries including the United States of America, in and to certain inventions relating  
to

TARGET FOR FORMING THIN METAL OXIDE FILM,  
PROCESS FOR PRODUCING THE SAME, AND PROCESS  
FOR PRODUCING THIN METAL OXIDE FILM

described in an application for Letters Patent of the United States,

[ ] having an oath or declaration by me/us executed on even date herewith;

[x] bearing Serial No. 09/673,920 and filed on October 24, 2000, and

all patents which may be granted therefor, and all divisions, reissues, continuations  
and extensions thereof, and authorize and request the Commissioner of Patents and  
Trademarks to issue all patents on said improvements or resulting therefrom to said  
Company as assignee of the entire interest, and covenant that I/We have full right so  
to do, and agree that I/we will communicate to said Company or its representatives  
any facts known to me/us respecting said improvements and testify in any legal  
proceedings, sign all lawful papers, execute all divisional, continuing and reissue  
applications, make all rightful oaths and generally do everything possible to aid said  
Company, its successors, assigns, and nominees, to obtain and enforce proper  
protection for said invention in the United States.

The Assignor(s) hereby authorize(s) and request(s) the attorneys of Randolph A. Smith and Smith Patent Office of Washington, D.C., to insert in the spaces provided above the filing date, serial number, and attorney docket number of said application if not previously inserted.

Signature Hidetoshi Saitoh Date November 28, 2000  
Hidetoshi SAITOH

Signature Shigeo Ohsio  
Shigeo OHSIO

Date November 28, 2000

Signature Ryo Satoh

Date November 28, 2000

Ryo SATOH

Signature Nobuyoshi Nambu  
Nobuyoshi NAMBU

Date November 28, 2000

Signature Atsushi Nakamura

Date November 28, 2000

Atsushi NAKAMURA

Signature Masanori Furukawa

Date November 28, 2000

Masanori FURUKAWA