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PATENTS ONLY

Our Ref.: 925-131

Honorable Assistant Commissioner of Patents  
Box Assignment, Washington, D.C. 20231

To the Honorable Assistant Commissioner of Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Yasumori SUKUSHIMA  
Tsutomu ASHIDA

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

Name: SHARP KABUSHIKI KAISHA  
Internal Address: \_\_\_\_\_  
Street Address: 22-22, Nagaike-cho, Abeno-ku

City: Osaka  
State/Country: Japan  
Zip: 545-8522

Additional name/s of conveying party/ies attached? ☐

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Assignment ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: January 31, 2000

Additional name/s & address/es attached? ☐ Yes ☒ No

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

If this document is being filed together with a new application, the execution date of the application is: January 31, 2000

A. Patent Application No(s).  
(1) to be assigned

B. Patent No(s).

- (1)  
(2)  
(3)

Additional numbers attached ☐ Yes ☒ No

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

Name: H. Warren Burnam, Jr.

Internal Address: \_\_\_\_\_

Street Address: Nixon & Vanderhye P.C.

1100 North Glebe Road  
8<sup>th</sup> Floor

City: Arlington State: VA Zip: 22201

6. Total number of applications & patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

- ☒ Enclosed  
☐ Authorized to be charged to deposit account #14-1140

8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our **Account No. 14-1140.**

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9. Statements and signature.

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.

H. Warren Burnam, Jr.

Name of Person Signing  
Reg. No. 29,366

H. Warren Burnam, Jr.  
Signature

February 10, 2000  
Date

Total number of pages including **original** cover sheet, attachments, and document: [2]

# ASSIGNMENT OF PATENT APPLICATION

( Yasumori FUKUSHIMA  
( Inventors) ( Tsutomu ASHIDA  
(  
(  
(

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) ( SHARP KABUSHIKI KAISHA

(Address) ( of 22-22, Nagaike-cho, Abeno-ku, Osaka, Japan  
(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(Other ( in the invention, and all application for patent and any

Countries) Letters Patent which may be granted therefore, known as

(Title) ( QUANTUM THIN LINE PRODUCING METHOD AND SEMICONDUCTOR (Case No. )  
( DEVICE EMPLOYING THE QUANTUM THIN LINE  
for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed

( on or has already filed in

( U.S. appln. Serial No. , filed on

( The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared 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 and further to 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.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary to desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date	<u>January 31, 2000</u>	Signature of Inventor (	<u>Yasumori Fukushima</u>
Date	<u>January 31, 2000</u>	Signature of Inventor (	<u>Tsutomu Ashida</u>
Date		Signature of Inventor (	
Date		Signature of Inventor (	

Witnessed by:

Witnessed by Toshiro Itoh  
Witnessed by Kazuo Iwamoto

Date January 31, 2000  
Date January 31, 2000