



To the Honorable Commissioner of Patents

101909545

original documents or copy thereof.

1. Name of conveying party(ies):

11-30-01

Koji Hashizume  
Yoshimasa Miyajima  
Norihiro Hatano  
Tetsuji Kadowaki

Additional name(s) of conveying party(ies) attached? ( ) Yes (X) No

3. Nature of conveyance:

- (X) Assignment ( ) Merger  
( ) Security Agreement ( ) Change of Name  
( ) Other \_\_\_\_\_

Execution Date: 11-26-01

2. Name and address of receiving party(ies)

Name: Fujitsu Limited

Internal Address:

Street Address: 1-1, Kamikodanaka 4-chome,  
Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Additional name(s) &amp; address(es) attached: ( ) Yes (X) 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: 11-26-01

A. Patent Application No.(s)

B. Patent No.(s)

09998054

Additional numbers attached? ( ) Yes (X) No

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

Name: Patrick G. Burns  
Greer, Burns & Crain, Ltd.Internal Address: 300 South Wacker Drive  
25th Floor  
Chicago, Illinois 60606

St. Address: \_\_\_\_\_

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6. Total number of applications and patents involved: 1

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(X) Enclosed

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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.

B. Joe Kim  
Name of Person Signing

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November 30, 2001  
Date

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PATENT  
REEL: 012339 FRAME: 0631

## UTILITY PATENT

## ASSIGNMENT

FOR VALUE RECEIVED, the receipt of which is hereby acknowledged, the following inventor or inventors (hereinafter called "ASSIGNOR")

Name: Koji HASHIZUME  
Address: c/o FUJITSU VLSI LIMITED 1844-2,  
Kozoji-cho 2-chome, Kasugai-shi, Aichi 487-0013  
Japan  
Name: Norihiko HATANO  
Address: c/o FUJITSU VLSI LIMITED 1844-2,  
Kozoji-cho 2-chome, Kasugai-shi, Aichi 487-0013 Japan

Name: Yoshitasa MIYAJIMA  
Address: c/o FUJITSU VLSI LIMITED 1844-2,  
Kozoji-cho 2-chome, Kasugai-shi, Aichi 487-0013  
Japan  
Name: Tetsuji KADOWAKI  
Address: c/o FUJITSU VLSI LIMITED 1844-2,  
Kozoji-cho 2-chome, Kasugai-shi, Aichi 487-0013  
Japan

hereby assigns, transfers and sets over to:

Name: FUJITSU LIMITED  
Address: 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan

(hereinafter called "ASSIGNEE"). the entire worldwide right, title and interest in and to the invention known as:

APPARATUS FOR MANUFACTURING BONDED SUBSTRATE

for which a United States Patent Application was executed on even date herewith or, if not so executed, was:

- (a) executed on \_\_\_\_\_; or
- (b) filed on \_\_\_\_\_,  
Serial No. \_\_\_\_/\_\_\_\_\_;

and all rights and privileges under any Letters Patent which may be granted thereon, including all rights, if any, to sue for past infringement.

(1) The ASSIGNOR agrees without charge to said ASSIGNEE but at its expense (a) to execute (i) all necessary papers to be used in connection with this application and any additional, continuing, or divisional applications, as the ASSIGNEE may deem necessary or expedient, (ii) all papers in connection with any interference or other legal or quasi-legal proceedings relating to this application or any additional, continuing, or divisional application thereof; (b) to cooperate with ASSIGNEE in every way possible in obtaining evidence and going forward in any such proceedings; and (c) to perform all other affirmative acts which may be necessary or desirable to obtain a grant of a valid patent for said invention.

(2) ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any and all Letters Patent that may be granted upon any patent application or any additional, continuing or divisional applications thereof to the ASSIGNEE, its successors and assigns.

(3) ASSIGNOR hereby covenants and warrants that he has full right to convey the entire

(4) ASSIGNOR hereby grants to the law firm of GREER, BURNS & CRAIN, LTD. of Chicago, Illinois, authority and power to insert on this instrument any further identification which may be necessary or desirable for purposes of recordation in the United States Patent and Trademark Office or a Patent Office of any foreign country.

Date	November 26, 2001	Signature of inventor	<u>Koji Hoshijima</u>
Date	November 26, 2001	Signature of inventor	<u>Yoshimasa Miyajima</u>
Date	November 26, 2001	Signature of inventor	<u>Reiko Matsuo</u>
Date	November 26, 2001	Signature of inventor	<u>Tetsuji Kadouaki</u>
Date	_____	Signature of inventor	_____
Date	_____	Signature of inventor	_____
Date	_____	Signature of inventor	_____
Date	_____	Signature of inventor	_____