Atty Docket No.:

228587US0SRD/cp

FORM PTO-1595 1-31-92



U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Honorable Commissioner of Patents and Tr.	s. Please record the attached original documents or copy thereof.
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
Cao Minh THAI, Hiroshi TATEISHI, Koichi TESHIMA, Masahiro TADAUCHI, Izuru KOMATSU, and Tetsuji HOI Additional name(s) of conveying party(ies) attached? Ye	Address: 1-1 Shibaura 1-chome Minato-Ku
	0/22 0/22
■ Assignment □ Merger □ Security Agreement □ Change of Name □ Other	Tokyo, Japan Tokyo, Japan Tokyo, Japan 23 23
Execution Date: September 13, 2002	Additional name(s) and address(es) attached? □Yes ■No
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application	on, the execution date of the application is: September 13, 2002
A. Patent Application No.(s)	B. Patent No.(s)
10252088	
	ers attached? Yes No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total applications and patents involved: 1
22850	7. Total fee (37 CFR 3.41): \$40.00 Enclosed Authorized to be charged to deposit account 8. Deposit account number: 15-0030 (Attach duplicate copy of this page if paying by deposit account)
DO NOT	USE THIS SPACE
9. Statement and signature	
To the best of my knowledge and belief, the foregoing info copy of the original document.	formation is true and correct and any attached copy is a true
Norman F. Oblon	ChmMGsland 9/23/02
Name of Person Signing	Signature Date
Registration Number: 24,618	
Total number of pages	including this cover sheet: 3
Do not	detach this portion
Mail documents to be recorded with required cover sheet in	nformation to:
Commissioner of Bo: Washi Washi Washi A0.00 OP	of Patents and Trademarks ox Assignments ington, D.C. 20231
FC:581	

PATENT

REEL: 013324 FRAME: 0439

ASSIGNMENT

In consideration of value received, I, having a mailing address at c/o Intellectual Property Division, KABUSHIKI KAISHA TOSHIBA, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan and a residence as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

MOUNTING MATERIAL, SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE

said application having been filed on and assigned Application No. ;
sell and assign to
KABUSHIKI KAISHA TOSHIBA
a corporation of Japan, having a business address at 1-1 Shibaura 1-chome, Minato-Ku, Tokyo, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent: (check one)

 \times executed concurrently herewith;

executed separately herefrom:

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications: and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invension in all countries.

I hereby grant the following law firm the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the Rules of the U.S. Patent and Trademark Office for recordation of this document.

Oblon, Spivak, McClelland, Maier & Neustadt, P.C., Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202

> PATENT REEL: 013324 FRAME: 0440

ASSIGNMENT

Inventor: (Signature)	Date	Residence
Caominy Their	SEP. 13.2002	Yokohama-shi, Japan
Hiroshi Tateishi	SEP. 1 3. 2002	Yokohama-shi, Japan
Hoichi Jeshima Koichi Teshima	SEP. 1 3. 2002	Tokyo, Japan
Masahiro Tadauchi Masahiro Tadauchi	SEP. 1 3. 2002	Tokyo, Japan
June Tonatsu. Izuru Komatsu	SEP. 1 3. 2002	Yokohama-shi, Japan
Totanji Hori Tetsuji Hori	SEP. 1 3. 2002	Yokohama-shi, Japan

RECORDING OFFICER:

After recording please return to: Oblon, Spivak, McClelland, Maier & Neustadt, P.C.,

Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202

RECORDED: 09/23/2002

PATENT REEL: 013324 FRAME: 0441