Atty Docket No.:

225140US2S/c.





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Additional name(s) of conveying party(ies	A	ddress:	1-1 Shibaura 1-0 Tokyo, JAPAN	home, Minato-ku,
3. Nature of Conveyance:	y attached. = 105 = 140		17-10	~ ^ <b>~</b>
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Execution Date: August 2.	3, 2002 A	dditional	name(s) and addr	ess(es) attached? \(\sigma\)Yes
4. Application number(s) or patent number	$\operatorname{er}(s)$ :			
If this document is being filed together wi	th a new application, the ex	ecution da	ate of the applicat	ion is:
A. Patent Application No.(s) 10/184,974	В	. Patent N	(o.(s)	
	Additional numbers attache	d? □Yes	■No	
5. Name and address of party to whom concorning document should be mailed:	rrespondence 6. Total applications and patents involved: 1			
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To the best of my knowledge and belief, of the original document.  Marvin J. Spivak  Name of Person Signing  Registration Number: 24,913	Joseph A. S. Registration	ature Cafetta, No. 26.	Žý. Jr.	Dec. 10, 2002
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To the Honorable Commissioner of Pa 1022 1597	ched original documents or copy thereof.			
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Syotaro ONO and Yusuke KAWAGUCHI	Name: KABUSHIKI KAISH TOSHIBA			
	Address: 1-1 Shibaura 1-chome,			
Additional name(s) of conveying party(ies) attached?   Yes	Minato-ku, Tokyo, JAPAN			
3. Nature of Conveyance:	OIPE			
Assignment	SEP 0 3 2002 \$			
☐ Security Agreement ☐ Change of Name	Ser o a more is			
☐ Other	The same of the sa			
Execution Date: August 23, 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, the e	xecution date of the application is:			
A. Patent Application No.(s)	B. Patent No.(s)			
10/184,974				
Additional numbers attach	ned? 🗆 Yes 🔳 No			
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total applications and patents involved: 1			
	7. Total fee (37 CFR 3.41): \$40.00			
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## 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:

VERTICAL TYPE POWER MOSFET HAVING TRENCHED GATE STRUCTURE

said application having been filed on July 1, 2002 and assigned Application No. 10/184,974 : 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

## ASSIGNMENT

Inventor: (Signature)	Date	Residence
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Syotaro Ono		
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Yusuke Kawaguchi	ATT 07 2000	
Visula Karamahi	AUG. 23. 2002	Miura-gun, Japan
Tusuke Kawaguchi		
**		

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**RECORDED: 12/10/2002**