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License record the attached original documents or copy thereof. To the Honorable Commissioner of Pate.... 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Koichi ENDO, Haruki ARAI, Kumiko MASUDA, Nobuyuki Name: KABUSHIKI KAISHA TOSHIBA SATO Address: 72 Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa-ken, Japan Additional name(s) of conveying party(ies) attached? □Yes ■No 3. Nature of Conveyance: JUN 2 5 199 ■ Assignment □ Merger ☐ Security Agreement □ Change of Name □ Other Additional manne(s) and address(es) attached? \( \text{\$\text{\$\text{\$\sigma}\$}\$} \) \( \text{\$\text{\$\text{\$\text{\$\sigma}\$}}\$ \) Execution Date: April 23, 1999 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: A. Patent Application No.(s) B. Patent No.(s) 09/301,596 Additional numbers attached? □Yes ■No 5. Name and address of party to whom correspondence 6. Total applications and patents involve concerning document should be mailed: OBLON, SPIVAK, McCLELLAND, MAIER & 7. Total fee (37 CFR 3.41): \$40.00 NEUSTADT, P.C. ■ Enclosed Attorneys at Law □ Authorized to be charged to deposit account Fourth Floor 1755 Jefferson Davis Highway 8. Deposit account number: 15-0030 (Attach duplicate copy of this page if paying by deposit account) Arlington, Virginia 22202 DO NOT USE THIS SPACE 9. Statement and signature To the best of my knowledge and belief, the foregoing information is true copy and correct and any attached copy is a true copy of the original document. Marvin J. Spivak Name of Person Signing Registration Number: 24,913 Total number of pages including this cover sheet: Do not detach this portion Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks

**Box Assignments** Washington, D.C. 20231

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**PATENT** REEL: 010051 FRAME: 0606

	WHEREAS, I (WE)
	Koichi ENDO of Tokyo, Japan
ISERT NAMES ND RESIDENCE DDRESSES OF HE INVENTORS:	Haruki ARAI of Kanagawaken, Japan
	Kumiko MASUDA of Kanagawaken, Japan
	Nobuyuki SATO of Kanagawaken, Japan
CERT TITLE	, respectively,
SERT TITLE INVENTION:	have invented certain new and useful improvements in: DIELECTRICALLY ISOLATED IC
	DRIVER HAVING UPPER-SIDE AND LOWER-SIDE ARM DRIVERS AND POWER IC
SERT DATE IN- NTORS SIGNED CLARATION:	HAVING THE SAME for which an application for Letters Patent was executed on April 23, 1999
	(Application No. <u>09/301,596</u> , filed <u>April 29, 1999</u> ), and
SERT NAME ID ADDRESS OF MPANY OR HER ASSIGNEE	WHEREAS, KABUSHIKI KAISHA TOSHIBA
	(hereinafter referred to as "ASSIGNEE") having a place of business at:
	72 Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa-ken, Japan
	is desirous of acquiring the entire right, title and interest in and to said invention and in and to any  Letters Patent that may be granted therefore in the United States and its territorial possessions and in

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

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any and all foreign countries;

PATENT REEL: 010051 FRAME: 0607

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

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Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date:	April	23,	1999		Koichi	Endo	
-				(Signature of Inventor)	Koichi	ENDO	
Date:_	April	23,	1999		Haniki	arai	
				(Signature of Inventor)	Haruki	ARAI	
Date:_	April	23,	1999			Masuda	
				(Signature of Inventor)	Kumiko	MASUDA	
Date:_	April	23,	1999			ci sato	
				(Signature of Inventor)	Nobuyu.	ki SATO	
Date:_	<del></del>				Noberok	i	S. Apr. 12.1999
				(Signature of Inventor)			
Date:							
				(Signature of Inventor)			
Date:_							
				(Signature of Inventor)			
Date:_							
				(Signature of Inventor)			

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ATTORNEYS AT LAW FOURTH FLOOR 1755 JEFFERSON DAVIS HIGHWAY ARLINGTON, VIRGINIA 22202

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**PATENT** REEL: 010051 FRAME: 0608

RECORDED: 06/25/1999