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01 Yuichiro MITANI		Name:	KABUSHIKI KA	AISHA TOSHIBA	
02 Yukie NISHIKAWA 11 - 29 - 02 Additional name(s) of conveying party(ie	2	Address:	1-1, Shibaura 1-c JAPAN	home, Minato-ku, Tokyo,	
3. Nature of Conveyance:					
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Execution Date: Oct. 31, No.	ov. 5, 2002	Additiona	I name(s) and add	lress(es) attached? □Yes ⊠No	
4. Application number(s) or patent numb	er(s):				
If this document is being filed together w	ith a new application, the exe	cution da	te of the application	on is:	
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PATENT REEL: 013536 FRAME: 0908

Assignment of Application

Page 1 of 2

WHEREAS, I (WE)	Yuichiro MITANI and	d Yukie NISHI	KAWA, both of Kanagawa-ker	n, Japan
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				, respectively,
have invented certain	new and useful improven	nents in:		VALUE AND
SEMICONDUCTOR	R DEVICE AND METHO	D OF MANUI	ACTURING THE SAME	
for which an applicati	on for Letters Patent was	executed on		
			September 19, 2002	
		, med	September 13, 2002	
WHEREAS, K	abushiki Kaisha Toshiba			
(hereinafter referred to	o as "ASSIGNEE") havin	g a place of bus	siness at:	
1-1, Shibaura 1-chon	ne, Minato-ku, Tokyo, Jap	an		
is desirous of acquirir	ng the entire right title and	d interest in an	d to said invention and in and to	o any Letters Patent that

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 any and all foreign countries;

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.

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.

10/01

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:	October 31, 2002	Yuichiro mutani			
	,	(Signature of Inventor) Yuichiro MITANI			
Date:	Movember 5, 2002	Guleix Nishileanna			
-		(Signature of Inventor) Yukie NISHIKAWA			
Date:					
		(Signature of Inventor)			
Date:					
		(Signature of Inventor)			
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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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