Atty. Docket No.:	1152-0287F
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1/2/02	SHEET 2						
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3. Nature of conveyance:	Street Address: 22-22, Nagaike-cho, Abeno-ku, Osaka-shi						
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Execution Date: December 13, 2001							
4. Application number(s) or patent number(s):							
If this document is being filed together with a new application, t	he execution date of the application is: December 13, 2001						
A. Patent Application No(s).	B. Patent No.(s).						
NEW	10/						
Additional numbers atta	ched? YES NO (4) 0325 PC						
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total No. of applications/patents involved: ONE (1)  7. Total fee (37 C.F.R. § 3.41): \$40.00						
Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP							
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1152 <b>-</b> 0287P

## **ASSIGNMENT**

	Application No.	NEW			Filed	January	2, 2002
insert Name(s)  of Inventor(s)	◆ WHEREAS,	Hiroyuki	TOYODA of	Tenri-shi,	Nara, J	apan	
Insert Title of Invention	•	_		nted certain new and	-		
		CONDUCTOR TH		IOD tes of America has be	en everuted l	by the undersi	med.
	on December						Ū
Insert Name of Assignee	◆ WHEREAS,	SHARP KAE	BUSHIKI KAI	SHA			
Insert Address of Assignee	→ of	Nagaike-cho		ı, Osaka-shi		, Japan	
CHECK BOX  IF APPROPRIATE	acquiring the entir may be granted the 🔯 in any and all fo	e right, title and interefor in the United oreign countries.	erest in and to said States of America		nd to any Let	ters Patent(s)	that
	paid, the receipt of has (have) sold, as Assignee the full a dependencies and which may be gran	which is hereby acknowing signed and transfe and exclusive right to possessions and the	owledged, and other rred, and by these o the said inventi- entire right, title united States of Am	of Ten Dollars (\$10.0) or good and valuable or presents does sell, on in the United Stand interest in and therica, its territories, in countries;	consideration assign and tates of Amer to any and al	n, the undersi transfer unto rica, its territo l Letters Pate	gned said ories, ent(s)
	and to any and all which the same ma		continuations and	extensions thereof	for the full	term or term	is for

PATENT REEL: 012420 FRAME: 0775 The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP 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.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	Dec. 13, 2001,	Name of Inventor	Hiroyaki	Joyoda			
	/			(signature)	Hiroyuki	TOYODA	
Date	,	Name of Inventor					
				(signature)			
Date,		Name of Inventor					
				(signature)			
Date,		Name of Inventor					
			(signature)				
Date		Name of Inventor					_
	,,			(signature)			
Date		Name of Inventor					
	,		(signature)				

RECORDED: 01/02/2002

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