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Name of conveying party(ies):	Name and address of receiving party(ies)
Masayuki Iijima 03/15/2004 Masashi Miyazawa 03/15/2004 Kouji Ueno 03/15/2004	Name: Sanyo Denki Co., Ltd.
Additional name(s) of conveying party(ies) attached? 🖳 Yes 🍇 No	Address: 15-1, Kitaotsuka 1-chome Toshima-ku
3. Nature of conveyance:	Tokyo, Japan
🛮 Assignment 🖵 Merger	
☐ Security Agreement ☐ Change of Name	
☐ Other	
March 15, 2004;	
Execution Date: March 15, 2004; March 15, 2004	Additional name(s) & address(es) attached? 🖵 Yes 🗷 No
4. Application number(s) or patent number(s):	
If this document is being filed together with a new appli	cation, the execution date of the application is:
A. Patent Application No.(s) 10/813,328	B. Patent No.(s)
Additional numbers at	tached? 🛄 Yes 🌇 No
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: David E. Spaw	7. Total fee (37 CFR 3.41)\$40.00
Internal Address: Rankin, Hill, Porter & Clark LLP	Enclosed
	Authorized to be charged to deposit account
Street Address: 4080 Erie Street	8. Deposit account number:
Otieet Address	18-0160
City: Willoughby State: Ohio Zip: 44094	(Attach duplicate copy of this page if paying by deposit account)
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9. Statement and signature.	
To the best of my knowledge and belief, the foregoing is a true copy of the original document.	information is true and correct and any attached copy
David E. Spaw	April 19, 2004
Name of Person Signing	Signature Date
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ASSIGNMENT

that are the subject of an application for a U.S. Patent, (Application No.10/813, 328,

filed March 30, 2004), which application is further identified as Rankin, Hill, Porter & Clark LLP Docket No.NIS-15441

WHEREAS, Sanyo Denki Co., Ltd., a corporation of Japan, and having a place of business at 15-1, Kitaotsuka 1-chome, Toshima-ku, Tokyo, Japan, hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority. entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

The undersigned hereby grants the firm of Rankin, Hill, Porter & Clark LLP the power to insert on this assignment any identification that 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.

PATENT REEL: 014528 FRAME: 0525 IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

)	inventor Name (sole or joint): <u>Masayuki IIJIMA</u>	
	Signature: Masayuki Liima	
	Signature: <u>Masayuki Sijima</u> Today's Date: <u>15 March 2004</u>	
	Witness: <u>Keigo Kikuchi</u> Witness: <u>Kumiko Nishizawa</u>	
	Witness: Kumiko Nishizawa	
2)	Inventor Name (joint): Masashi MIYAZAWA	
	Signature: <u>Masashi Miyayawa</u>	_
	Signature: <u>Masashi Miyarawa</u> Today's Date: <u>15 March 2004</u> .	_
	Witness: Watanabe	
	Witness: Michinori Watanabe	
	Kouji UENO	
3)	Inventor Name (joint):	
	Signature: <u>Kouji Veno</u>	
	Today's Date: 15 March 2004	_
	Witness: Khiki Ogawara Witness: Michinoni Watanabe	_
	Witness: Miclinoni Watanabe	
1)	Inventor Name (joint):	_
	Signature:	_
	Today's Date:	-
	Witness:	_
	Witness:	

RECORDED: 04/19/2004

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