

(Rev. 03/01)

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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 5/31/2002) 102362401 rademarks: Please record the attached original documents or copy thereof To the Honorable Commissioner 2. Name and address of receiving party(ies) 1. Name of conveying party(ies): Koichi Kamiyama 02.05.03 Name: Victor Company of Japan, LTD Shigeru Michiwaki Hisanori Yoshimizu Street Address: Additional name(s) of conveying party(ies) No. 12, 3-chome, Moriya-cho x No Yes attached? Kanagawa-ku 3. Nature of Conveyance: Yokohama x Assignment Merger Change of Name Security Agreement City: Kanagawa-ken Other Zip: Country: Japan Additional name(s) & Yes x No August 28, 2002 **Execution Date:** address(es) attached: 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the new application is: August 28, 2002 A. Patent Application No.(s): B. Patent No.(s): 10/238,609 Additional numbers attached? x No Yes 6. Total number of applications and 5. Name and address of party to whom correspondence concerning document should be mailed: patents involved: Name: Morris Liss 7. Total fee (37 CFR 3.41) CONNOLLY BOVE LODGE & HUTZ, LLP 40.00 Internal Address: Atty. Dkt.: 21994-00049-US Enclosed Street Address: Authorized to be charged to deposit account 1990 M Street, N.W., Suite 800 Authorized to be charged to credit card (Form 2038 enclosed) Deposit account number: State: Zip: City: 22-0185 Washington DC 20036-3425 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Morris Liss - 24,510 Name of Person Signing Signature Total number of pages including cover sheet, attachments, and documents: 2

ASSIGNMENT UNITED STATES OF AMERICA

Whereas, We

RECORDED: 02/05/2003

(1)		(2)						
Koichi Kamiyama	of	4-26-15, Yotsugi, Ka	tsushika-k	u, Toky	o, Japan			
Hisanori Yoshimizu	of	5-4-2-802, Sahara, Yokosuka-shi, Kanagawa-ken, Japan						
Shigeru Michiwaki	of	4085-2, Izumi-cho, Iz	zumi-ku, Y	okohan	1a-shi, Kana	gawa-ken, J	apan	
nave invented certain	new	and useful improve	ments in	(3)	_PRINTED	CIRCUIT	BOARD A	ND
MANUFACTURING M	ETH	OD THEREOF for v	vhich appli	cation fo	or Letters Pa	atent in the l	Jnited States	of
America (4) is about to b	e ma	de						
has been ma	ade;							
And Whereas,	(5) _	VICTOR COMPANY	OF JAPA	N, LTD	of (6) N	o.12, 3-chon	ne, Moriya-c	ho.
Kanagawa-ku, Yokohar	na, K	anagawa-ken, Japan	is desirou	is of acq	uiring an inte	rest therein a	and in the Let	ters
Patent to be obtained the	erefor	;						
Now Therefor	ho it	known by all whom it	may conco	rn that	for good and	t valuable co	neideration ((the
sufficiency of which is he		_	·		_			-
do assign, transfer and s	-		_					
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United States of Americ				ausive r	ignt, title, an	u mieresi in	and to the s	alu
nvention, as fully set for		·						
(7) prepared and execute								
		ice under Ser. No. (9)						
preparatory to obtaining Letters Patent therefor; said invention, application and Letters Patent to be held and								
enjoyed by the said (5)		ICTOR COMPANY ()F JAPAN	LTD.	to the t	iull end of the	e term for wh	iich
said Letters Patent are g	rante	d, as fully and entirely	as the sam	e would	have been h	eld by us had	this assignn	nent
and transfer not been ma	ade.							
In testimony wh	ereof	, we have hereunto se	t our hand	this			<i>5.</i>	
(11) 28th day of	Augi	ıst 2002.		and the state of the state of				
	TIW	NESSES:		INVENT	ror(s)			
	Mot	oshi Shindoh		(1) Kon	ichi la	Lamiga	ma	
				K	loichi Kamiy			
★	K	yoko Ixoh		(2) Hiz	anori Iisanori Yosh	Joshimiya	<i>u</i>	
		o .		۲۰	A. A			
				(3) U	higeru Mich	iwaki		
				D)	TIPOT A THIOTI	ATT MAKE		

PATENT REEL: 013726 FRAME: 0983