Substitute for Form PTO-1595	01-11-2005	/ER SHEET .Y Attorney	U.S. DEPARTMENT OF COMMERC U.S. Patent and Trademark Offic y's Docket No. 018775-924		
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Additional name(s) of conveying party(ies)  3. Nature of conveyance:		Address: 1-6-1 Marunouchi, Chiyod	la-ku, Tokyo 100-0005 Japan 170/0/1		
Execution Date: December 9, 20	004				
	I	Additional name(s) & add	resses attached?  Yes X No		
4. Application number(s) or patent nu	umber(s):	radiional name(3) a add	resses attached? Thes No		
If this document is being filed toge		B. Patent No.(s)			
A. Patent Application No.(s)	Additional numbers attached?	B. Patent No.(s)  ☐ Yes ☑ No			
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A. Patent Application No.(s)      Name and address of party to who concerning document should be means.	om correspondence nailed:	☐ Yes ☑ No Total number of application Total fee (37 CFR 3.41)			
A. Patent Application No.(s)  5. Name and address of party to who concerning document should be made and the party of the	om correspondence nailed:  7. Mathis, L.L.P.	☐ Yes ☒ No  Total number of application  Total fee (37 CFR 3.41) ☐ Enclosed ☒ Authorized to be ch			
A. Patent Application No.(s)  5. Name and address of party to who concerning document should be mame:  Platon N. Mandros  Address:  Burns, Doane, Swecker & Customer Number 2 1 8 3  P.O. Box 1404  Alexandria, Virginia 22313	om correspondence nailed:  7. Mathis, L.L.P. 3.9	☐ Yes ☒ No  Total number of application  Total fee (37 CFR 3.41) ☐ Enclosed ☒ Authorized to be ch	\$40.00 (8021)		
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A. Patent Application No.(s)  5. Name and address of party to who concerning document should be mame: Platon N. Mandros Address:  Burns, Doane, Swecker & Customer Number 2 1 8 3 P.O. Box 1404 Alexandria, Virginia 22313 28/2004 A0SMAN1 00000011 11019192 FC:8021 40.6	om correspondence nailed:  7.  Mathis, L.L.P. 3 9  3-1404  8.  DO NOT USE T	☐ Yes ☒ No  Total number of application  Total fee (37 CFR 3.41) ☐ Enclosed ☒ Authorized to be ch ☒ Credit card. Form  Deposit account number:  02-4800 (Attach duplicate copy of this p	sage if paying by deposit account.)		

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## **ASSIGNMENT**

(SOLE)

THIS ASSIGNMENT	r, by Naoko HIRAMAT	ISU residing at	Kyoto-shi, Ky	<i>r</i> oto,
Japan	(hereinafter referred	to as "the Assignor	"), witnesseth:	
WHEREAS, the Ass APPARATUS AND METHOD FO	signor has invented ce OR IMAGE PROCESSI	ertain new and usefu NG GROUND PATTER	ıl improvements i N	in set forth
in an application, [] which i provisional application having of application; [] bearing Ap	is a provisional applic gan oath or declaration	ation to be filed her n executed on even	rewith; [X] which date herewith pri-	is a non- or to filing
and ; and	plication	140.	and mod of	'
WHEREAS, Konic	a Minolta Busines	s Technologies,	Inc., a corpor	ation duly
organized under and pursuan at 1-6-1 Marunouchi, (	t to the laws ofJap	oan , and having its	principal place of	f business
referred to as "the Assignee" said inventions, the right to fil in and to any applications, incor other countries claiming process.	), is desirous of acquirule applications on said cluding provisional appriority to said applications.	ring the entire right, inventions and the e dications for Letters I on, and in and to any	title, and interest ntire right, title ar Patent of the Unit	t in and to nd interest ted States
United States or foreign to b	an chtaine <i>r</i> i therefor a	nd thereon		

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said application, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made;

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignor is the sole and lawful owner of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth:

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns that the Assignor will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in

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any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignor hereby authorizes and requests the attorneys of BURNS, DOANE, SWECKER & MATHIS, L.L.P. of Alexandria, Virginia, to insert in the spaces provided above the filing date, application number, and attorney docket number of said application when known.

AND the Assignor hereby requests the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee, as the Assignee of said inventions and the Letters Patent to be issued thereon for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date Dec. 9, 2004 Name of Assignor Nacko Kiramatsur
Nacko HIRAMATSU

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RECORDED: 12/23/2004

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