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FORM PTO-1595 (Rev. 6/93)

07-30-1999



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101104567 PAILN4567 U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office EET

Attorney's Docket No. 009683-341

Attorney 8 Docket No. <u>009083-341</u>						
To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.						
Name and address of receiving party(ies):						
Name: Minolta Co., Ltd.						
Address: Osaka Kokusai Building						
3-13, 2-Chome						
Azuchi-Machi, Chuo-Ku, Osaka-shi						
saka, 541-8556, JAPAN						
Addition Tame(s) & address(es) attached? [] Yes [X] No						
ecution date of the application is:						
Patent No.(s)						
[] Yes [X] No						
Total number of applications and patents involved: 1						
Total fee (37 CFR 3.41): \$40.00						
[X] Enclosed						
[X] Authorized to be charged to deposit account, if necessary						
Deposit account number:						
02-4800						
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.						
July 21, 1999 Date						
tal number of pages including cover sheet, attachments, and document: 3						

Mal documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231

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ASSIGNMENT

(JOINT)

THIS ASSIGNMENT, by	, (1) Ikunori YAMAG	JCHI,	
(2) Atsushi TOMITA, (3)			, and
(4) Masazumi ITO	, residing at		
(1) Toyokawa-Shi, Aichi-K	en, Japan and (2)(3)(4)	Toyohashi-Shi, A	ichi-Ken
Japan			
###	(hereinafter i	eferred to as "the As	ssignors"),
respectively, witnesseth:			
WHEREAS, the Assigno CENTRALIZED MANAGEMENT UNIT	ors have invented certain new RECEIVING DATA FROM MAN		nents in
OF DIFFERENT COMMUNICATION N	ETHODS	set fort	th in an
date herewith prior to filing of applicand filed on May 14, 1999 WHEREAS, MINOLTA	; and	No	
a corporation duly organized under a		lanan and	having its
principal place of business atC/O	Osaka Kokusai Building	3-13 2-Chome	naving its
Azuchi-Machi, Chuo-Ku, Osal			
entire right, title, and interest in a inventions and the entire right, title applications for Letters Patent of the application, and in and to any Letter therefor and thereon.	and interest in and to any ap ne United States or other cou	pht to file application plications, including p intries claiming priori	ns on said provisional ity to said

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do 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 applications, 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 Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners 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 Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

Application Serial No)
Attorney's Docket No	. 009683-341

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors 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 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 Assignors hereby authorize and request 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 Assignors hereby request 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, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date .	June	29, 1999	Name of Assignor	Ikunori Gamaguchi Ikunori YAMAGUCHI
Date .	June	29 1999	Name of Assignor	atsushi Jonita. Atsushi TOMITA
				Machiro Jonezu Nachiro Yonezu
				Naohifo YONEZU Masazumi ITO
Date			Name of Assignor	
Date			Name of Assignor	
Date			Name of Assignor_	
Date			Name of Assignor _	