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PATENTS ONLY			
To the Assistant Commissioner for Patents: documents or copy thereof.	Please record the attached original		
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):		
I-Jong Lin Anthony Vetro Huifang Sun Sun-Yuan Kung	Name: Mitsubishi Electric Information Technology Center America, Inc.		
Additional name(s) of conveying party(ies)	Street Address: 201 Broadway		
attached? []Yes [X]No 3. Nature of Conveyance:	City: Cambridge State: MA Zip: 02139		
[X]Assignment []Merger	Additional name(s) and address(es) attached? []Yes [X]No		
[]Security Agreement []Change of Name			
[] Other			
Execution Date: 5/27/99; 5/28/99			
4. Application number(s) or patent number(s If this document is being filed togethe of the application is: June 4, 1999): er with a new application, the execution		
A. Patent Application No.(s)	B. Patent No.(s)		
69326750 Additional numbers a	attached? []Yes [X]No		
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: [1] 7.Total fee (37CFR 3.41): \$40.00		
Name: Mitsubishi Electric Information	7.100at 100 (5701K 5.41): <u>940.00</u>		
Technology Center America, Inc.	[] Enclosed		
	<pre>[] Enclosed [X] Authorized to be charged to deposit account</pre>		
Technology Center America, Inc.	[X] Authorized to be charged to		
Technology Center America, Inc. Street Address: 201 Broadway City: Cambridge State: MA Zip: 02139	[X] Authorized to be charged to deposit account		
Technology Center America, Inc. Street Address: 201 Broadway City: Cambridge State: MA Zip: 02139 DO NOT US: 999 MTHRI1 00000201 500749 09326750	 [X] Authorized to be charged to deposit account 8. Deposit account number: 50-0749 E THIS SPACE She foregoing information is true and 		

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ASSIGNMENT

WHEREAS, we, I-Jong Lin, Anthony Vetro, Huifang Sun, and Sun-Yuan Kung, have made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled METHOD FOR ORDERING IMAGE SPACES TO SEARCH FOR OBJECT SURFACES, the specification of which:

X was executed by us on the date indicated below;
was filed on _____as Application Serial No. ___;
was patented under U.S. Patent No. ____;

WHEREAS, Mitsubishi Electric Information Technology Center America, Inc., a corporation of the State of Delaware, whose address is 201 Broadway, Cambridge, Massachusetts 02139, and who, together with its successors and assigns is hereinafter called "Assignee", is desirous of acquiring the entire right, title, and interest together with the benefits and privileges hereinafter recited;

NOW, THEREFORE, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation;

Assign, transfer and convey to Assignee the entire 1. right, title and interest together with the benefits and privileges in and to said inventions and discoveries, said Application for Letters Patent or similar forms of protection of the United States of America, and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and convention applications based in whole or in part upon said inventions or discoveries, or upon said application, and any and all Letters Patent, reissues and extensions of Letters Patent or similar forms of protection granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries or groups of countries on any or all of

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said inventions and discoveries in our name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or any other relevant convention or treaty or otherwise;

3. Authorize and request the Assistant Commissioner for Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as Assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any rights in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonable serving to assure that said inventions and discoveries, said patent applications and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing any facts of our conceptions, disclosures, and reduction to practice of said inventions or discoveries.

PLG 10/94 ASSIGNTE.FRM IN WITNESS WHEREOF:

DATE I SIGNED INVENTOR'S DECLARATION: 52799
John Date: 5/27/99 Date: 5/27/99 Nitnessed: <u>Vimei Peng</u> Printed Name
Signature (). Date
Witnessed: <u>FATRICIA L. HATZL-HOFFER</u> Printed Name
Datricia X. Hatzlhoffu
IN WITNESS WHEREOF:
DATE I SIGNED INVENTOR'S DECLARATION: $5/28/99$ MH_{GNL}/MH_{C} Date: $5/28/99$ Anthony Vetro
Nitnessed: <u>SINYAN SKY</u> Printed Name
Sinyan shig Date Date

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Witnessed:	AJAY BIVAKARAN		
	Printed Name		
Ajay Å Signature	Sivakaman		May 28, 1999 Date
IN WITNESS	WHEREOF:		
DATE I SIGN	NED INVENTOR'S DECLARATION:		5/28/99
Huifang Sur	in in B	Date:	5/28/99
Witnessed:	SINYANSKY Printed Name		
Signature	i ny an shy		<u>05/28/99</u> Date
Witnessed:	<u>AJAY EWAKHRAN</u> Printed Name		
Jun Signature	unkaran		Nay 28, 1999
Signature			Date

Signature

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IN WITNESS WHEREOF:

DATE I SIGNED INVENTOR'S DECLARATION:	5/27/99
Sun-Yuan Kung	Date: 5/27/99
Witnessed: $\frac{V_1 m e_1}{Printed Name}$	
<u>Junier Peng</u> Signature	S-27-99 Date

Witnessed: PATRICIA L. MATZLHOFFER

Printed Name

Patricia X. Hatthoffu Signature

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REGORDED: 06/04/1999