

06-28-1999



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PATENTS ONLY

U.S. PTO
09/335943
06/18/99

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

William T. Freeman
Egon C. Pasztor
Baback Moghaddam

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of Conveyance:

Assignment Merger
Security Agreement Change of Name
Other

Execution Date: June 18, 1999

2. Name and address of receiving party(ies):

Name: Mitsubishi Electric Information Technology Center America, Inc.

Street Address: 201 Broadway

City: Cambridge State: MA Zip: 02139

Additional name(s) and address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a continuation-in-part application, the execution date of the application is: June 18, 1999

A. Patent Application No.(s)

B. Patent No.(s)

09/335943

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Mitsubishi Electric Information Technology Center America, Inc.

Street Address: 201 Broadway

City: Cambridge State: MA Zip: 02139

6. Total number of applications and patents involved: [1]

7. Total fee (37CFR 3.41): \$40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number: 50-0749

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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.

Dirk Brinkman
Name of Person Signing

[Signature]
Signature

06/18/99
Date

Total number of pages comprising cover sheet: [1]

ASSIGNMENT

WHEREAS, we, William T. Freeman, Egon C. Pasztor, and Baback Moghaddam, 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 INFERRING SCENES FROM TEST IMAGES AND TRAINING DATA USING BELIEF PROPAGATION IN A MARKOV NETWORK, 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. ___ on ___;

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;

1. Assign, transfer and convey to Assignee the entire 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 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.

IN WITNESS WHEREOF:

DATE I SIGNED INVENTOR'S DECLARATION: _____

William T. Freeman

Date: _____

Witnessed: _____
Printed Name

Date

Witnessed: _____
Printed Name

Date

IN WITNESS WHEREOF:

DATE I SIGNED INVENTOR'S DECLARATION: June 18 1999

Eg. Pasztor
Egon C. Pasztor

Date: June 18 1999

Witnessed: Max Bajracharya
Printed Name

Max Bajracharya

June 18 1999
Date

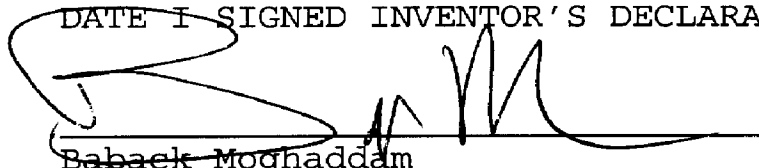
Witnessed: Joshua Migdal
Printed Name

Joshua Migdal

June 18 1999
Date

IN WITNESS WHEREOF:

DATE I SIGNED INVENTOR'S DECLARATION: 6/18/99


Baback Moghaddam

Date: 6/18/99

Witnessed: Curtis Wickman
Printed Name

Curtis Wick

06/18/99
Date

Witnessed: Max Bujracharya
Printed Name

Max Bujracharya

June 18 1999
Date