

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

CORRECTIVE ASSIGNMENT

NATURE OF CONVEYANCE:

Corrective Assignment to correct the Assignor names previously recorded on Reel 022484 Frame 0583. Assignor(s) hereby confirms the Assignment of Assignor's interest.

CONVEYING PARTY DATA

Name	Execution Date
Michael J. Desimone	03/23/2009
Arun Hampapur	03/19/2009
Zuoxuan Lu	03/19/2009
Carl P. Mercier	01/06/2010
Christopher S. Milite	03/20/2009
Stephen R. Russo	03/26/2009
Chiao-Fe Shu	03/19/2009
Chek K. Tan	03/23/2009

RECEIVING PARTY DATA

Name:	International Business Machines Corporation
Street Address:	New Orchard Road
City:	Armonk
State/Country:	NEW YORK
Postal Code:	10504

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12407499

CORRESPONDENCE DATA

Fax Number: (518)456-7004

*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

Phone: (518) 456-7084

Email: kjones@kdiplaw.com

Correspondent Name: Keohane & D'Alessandro PLLC

Address Line 1: 1881 Western Avenue

Address Line 2: Suite 180

501063822

PATENT  
REEL: 023772 FRAME: 0247

OP \$40.00 12407499

Address Line 4: Albany, NEW YORK 12203

ATTORNEY DOCKET NUMBER:	END920080042US1
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NAME OF SUBMITTER:	Ronald A. D'Alessandro
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**Total Attachments: 10**

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source=END920080042US1\_Assignment\_AddedInventorSignature#page3.tif

## PATENT ASSIGNMENT FORM

For and in consideration of good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor acknowledges his/her prior and ongoing obligation to sell, assign, and transfer, and agrees to sell, assign, and transfer the entire world wide right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements conceived during and within the scope of his/her employment, and further acknowledges that he/she has sold, assigned, and transferred, and hereby sells, assigns, and transfers, unto:

**INTERNATIONAL BUSINESS MACHINES CORPORATION**  
Armonk, New York 10504

a corporation of New York, and IBM desires to acquire all right, title, and interest, in and to the certain inventions (identified below), applications, and any United States and foreign patents to be obtained therefore relating to:

### IDENTIFYING SPATIAL LOCATIONS OF EVENTS WITHIN VIDEO IMAGE DATA

United States Patent

as set forth in United States Patent Application executed by each undersigned inventor on the date indicated by each inventor signature below, and further identified by Attorney Docket Number **END920080042US1**; executed concurrently herewith

for and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States and foreign patents and all rights of priority to be obtained therefore which may issue on any such application or for said invention therein disclosed, including any and all reissues or extensions thereof, to be held and enjoyed by, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each undersigned inventor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to IBM, its successors and assigns, in accordance herewith;


Each undersigned inventor warrants and covenants that he/she has the full and unencumbered right to sell and assign the interests hereby sold and assigned and that he/she has not executed and will not execute any document or instrument in conflict herewith;

Each undersigned inventor further covenants and agrees that he/she, upon the request and at the expense of the IBM, will execute and deliver any papers, make all rightful oaths, testify in any legal proceeding relating to said inventions and improvements, communicate to the IBM all facts known to the undersigned relating to such inventions and improvements and the history thereof; and perform all other lawful acts deemed necessary or desirable by IBM, and its legal representatives, to secure, maintain, and enforce patent protection for such inventions and improvements and for vesting title to such inventions and improvements in the IBM, and in particular to perfect title to said above-identified certain inventions, and applications including divisions and continuations thereof, and any and all Letters Patent which may be granted therefore or thereon, including reissues, extensions, or counterparts;

Each undersigned inventor hereby grants the IBM and the firm of the power to insert in this Assignment any further identification which may be necessary or desirable for recordation of this Assignment.

This assignment is governed by the substantive laws of the state of New York.

Executed by Inventor 1 of 7

Signature:  Date: 3/23/09  
Michael J. Desimone

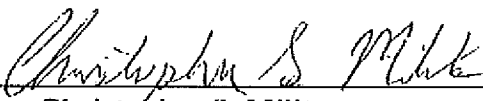
Executed by Inventor 2 of 7

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Arun Hampapur


Executed by Inventor 3 of 7

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Zuoxuan Lu

Executed by Inventor 4 of 7

Signature:  Date: 3/20/2009  
Christopher S. Milite

Executed by Inventor 5 of 7

Signature:  Date: MARCH 26, 2009  
Stephen R. Russo

Executed by Inventor 1 of 7

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Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Michael J. Desimone

Executed by Inventor 2 of 7

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Signature: Arun Hampapur Date: 03/19/09  
Arun Hampapur

Executed by Inventor 3 of 7

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Signature: Zuoxuan Lu Date: 3/19/09  
Zuoxuan Lu

Executed by Inventor 4 of 7

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Christopher S. Millte

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Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Stephen R. Russo

Executed by Inventor 6 of 7

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Signature: Chiao-Fe Shu Date: 3/19/2009  
Chiao-Fe Shu

Executed by Inventor 7 of 7

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Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Chek K. Tan

Executed by Inventor 6 of 7

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Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Chiao-Fe Shu

Executed by Inventor 7 of 7

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Signature: San Chih Kuey Date: 03/23/09  
Chek K. Tan

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
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Phone: (518) 456-7084													
Email: kjones@kdiplaw.com													
Correspondent Name: Keohane & D'Alessandro PLLC													
Address Line 1: 1881 Western Avenue													
Address Line 2: Suite 180													



Address Line 4: Albany, NEW YORK 12203	
ATTORNEY DOCKET NUMBER:	END920080042US1
NAME OF SUBMITTER:	Darrell L. Pogue
Signature:	/Darrell L. Pogue/
Date:	04/01/2009
<b>Total Attachments: 5</b> source=END920080042US1_SignedAssignment#page1.tif source=END920080042US1_SignedAssignment#page2.tif source=END920080042US1_SignedAssignment#page3.tif source=END920080042US1_SignedAssignment#page4.tif source=END920080042US1_SignedAssignment#page5.tif	
<b>RECEIPT INFORMATION</b>  EPAS ID: PAT840859 Receipt Date: 04/01/2009 Fee Amount: \$40	

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Executed by Inventor 1 of 8

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Michael J. Desimone**

Executed by Inventor 2 of 8

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Arun Hampapur**

Executed by Inventor 3 of 8

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Zuoxuan Lu**

Executed by Inventor 4 of 8

Signature:  \_\_\_\_\_ Date: 1-6-2010  
**Carl P. Mercier**

Executed by Inventor 5 of 8

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Christopher S. Milite**

Executed by Inventor 6 of 8

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**Stephen R. Russo**

Executed by Inventor 7 of 8

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Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Chiao-Fe Shu**

Executed by Inventor 8 of 8

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Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Chek K. Tan**