

FAX TO: ASSIGNMENT BRANCH, U.S.P.T. O.
FAX NO.: 703-306-5995

Attorney Docket No. 015358-009810US

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 OMB No. 0651-0027 (exp. 6/30/2005)

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Berna Erol, Jonathan J. Hull, Jamey
 Graham, Dar-Shyang Lee and
 Peter Hart

Execution Date(s) September 17 and 24, 2004

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

2. Name and address of receiving party(ies)

Name: Ricoh Company, Ltd.

Internal Address: _____

Street Address: 15-5 Minami Aoyama 1-Chome
Minato-Ku

City: Tokyo

State: _____

Country: Japan Zip: 107-8544

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

3. Nature of conveyance:

- Assignment Merger
 Security Agreement Change of Name
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

10/953,439

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Brian N. Young

Internal Address: _____

TOWNSEND AND TOWNSEND AND CREW LLP

Street Address: Two Embarcadero Center,
Eighth Floor

City: San Francisco

State: California Zip: 94111-3834

Phone Number: (415) 576-0200

Fax Number: (415) 576-0300

Email Address: BNY@townsend.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

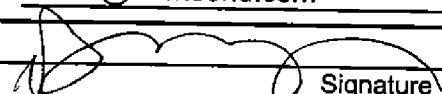
8. Payment Information

a. Credit Card Last 4 numbers _____
 Expiration Date _____

b. Deposit Account Number 20-1430

Authorized User Name Townsend

9. Signature:

 Signature

10/20/04 Date

Brian N. Young

Name of Person Signing Atty. Reg. No. 48,602

Total number of pages including cover sheet, attachments, and documents: 3

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, VA

PATENT

CH \$40.00 201430 10953439

Attorney Docket No.: 015358-009810US
 Client Reference No.: ID-R11-347

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Berna Erol of 20380 Stevens Creek Blvd., Apt. 326, Cupertino, CA 95014; Jonathan J. Hull of 751 Laurel Street, PMB 434, San Carlos, CA 94070; Jamey Graham of 1196 Shasta Avenue, San Jose, CA 95126; Dar-Shyang Lee of 32533 Carmel Way, Union City, CA 94587; and Peter Hart of 301 Arbor Road, Menlo Park, CA 94025 hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: TECHNIQUES FOR DECODING AND
 RECONSTRUCTING MEDIA OBJECTS FROM A STILL
 VISUAL REPRESENTATION

Date(s) of execution of Declaration: September 17 and 24, 2004

Filing Date: ~~Herewith~~ September 28, 2004

Application No.: ~~Unassigned; and~~ 10/953,439

WHEREAS, Ricoh Company, Ltd., a corporation of Japan, located at 15-5 Minami Aoyama 1-Chome, Minato-Ku, Tokyo, Japan 107-8544, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

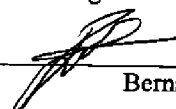
For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 9/17/04



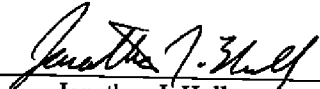
 Berna Erol

Assignment


Attorney Docket No.: 015358-009810US

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Dated: 9/17/04


Jonathan J. Hull

Dated: 2/17/04


Jamey Graham

Dated: 9/17/04


Dar-Shyang Lee

Dated: 07/24/04


Peter Hart

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