

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Jonathan J. Hull	12/15/2008
Berna Erol	12/11/2008
Jorge Moraleda	12/11/2008
RECEIVING PARTY DATA	
Name:	Ricoh Co., Ltd
Street Address:	15-5 Minami Aoyama 1-Chome
City:	Minato-Ku, Tokyo
State/Country:	JAPAN
Postal Code:	107-8544
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12253715
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	20412-14629
NAME OF SUBMITTER:	Jennifer R. Bush
Total Attachments: 4	
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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to **Ricoh Co., Ltd.**, a corporation of **Japan** having a place of business at **15-5 Minami Aoyama 1-Chome, Minato-Ku, Tokyo, Japan 107-8544**, ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the provisional application filed under 35 U.S.C. §111(b) or non-provisional application filed under 35 U.S.C. §111(a) and entitled **Mixed Media Reality Retrieval of Differentially – Weighted Links** ("APPLICATION"), which:

- ☐ is to be filed herewith.
- ☒ having a filing date of **October 17, 2008**, and bearing U.S. application serial number **12/253,715**.
- ☒ The APPLICATION claims priority from a parent as follows:

U.S. Parent Application Number	Parent Filing Date (MM/DD/YYYY)
11/461,017	07-31-2006
11/461,279	07-31-2006
11/461,286	07-31-2006
11/461,294	07-31-2006
11/461,300	07-31-2006
11/461,126	07-31-2006
11/461,143	07-31-2006
11/461,268	07-31-2006
11/461,272	07-31-2006
11/461,064	07-31-2006
11/461,075	07-31-2006
11/461,090	07-31-2006
11/461,037	07-31-2006
11/461,085	07-31-2006
11/461,091	07-31-2006
11/461,095	07-31-2006
11/466,414	08-22-2006
11/461,147	07-31-2006
11/461,164	07-31-2006
11/461,024	07-31-2006
11/461,032	07-31-2006
11/461,049	07-31-2006
11/461,109	07-31-2006
11/827,530	07-11-2007
12/060,194	03-31-2008
12/059,583	03-31-2008
12/060,198	03-31-2008
12/060,200	03-31-2008
12/060,206	03-31-2008
12/121,275	05-15-2008
11/776,510	07-11-2007
11/776,520	07-11-2007

Title: Mixed Media Reality Retrieval of Differentially-Weighted Links
Filed: October 17, 2008
Application No.: 12/253,715

11/776,530	07-11-2007
11/777,142	07-12-2007
11/624,466	01-18-2007
12/210,511	09-15-2008
12/210,519	09-15-2008
12/210,532	09-15-2008
12/210,540	09-15-2008

2. The entire worldwide right, title, and interest in and to:
(a) the APPLICATION; (b) all applications claiming priority from the APPLICATION;
(c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Title: Mixed Media Reality Retrieval of Differentially-Weighted Links
Filed: October 17, 2008
Application No.: 12/253,715

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Name and Signature

Jonathan J. Hull
Jonathan J. Hull

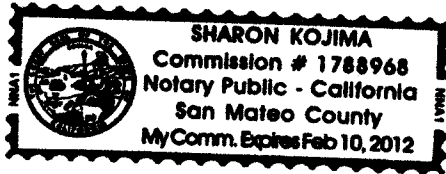
Date of Signature

15 DEC, 2008

State of California }
County of San Mateo } ss.

On Dec. 15, 2008 before me, Sharon Kojima, Notary Public, personally appeared Jonathan J. Hull, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Notary Seal



Notary

Sharon Kojima

Name and Signature

Berna Erol
Berna Erol

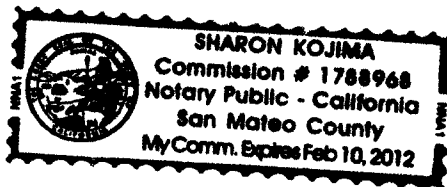
Date of Signature

Dec 11, 2008

State of California }
County of San Mateo } ss.

On Dec. 11, 2008 before me, Sharon Kojima, Notary Public, personally appeared Berna Erol, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Notary Seal



Notary

Sharon Kojima

Title: Mixed Media Reality Retrieval of Differentially-Weighted Links
Filed: October 17, 2008
Application No.: 12/253,715

Name and Signature

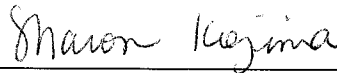
Date of Signature


Jorge Moraleda

12/11/, 2008

State of California }
County of San Mateo } ss.

On Dec. 11, 2008 before me, Sharon Kojima, Notary Public, personally appeared Jorge Moraleda, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



Notary Seal

Notary

