Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Jonathan J. Hull	07/28/2006
Berna Erol	07/27/2006
Jamey Graham	07/28/2006
Peter E. Hart	07/28/2006
Dar-Shyang Lee	07/28/2006
Kurt Piersol	07/28/2006

RECEIVING PARTY DATA

Name:	Ricoh Co., Ltd.
Street Address:	15-5 Minami Aoyama 1-chome
Internal Address:	Minato-Ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	107-8544

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11461032

CORRESPONDENCE DATA

500132372

(650)938-5200 Fax Number:

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

Phone: (650) 335-7194

gsueoka@fenwick.com Email:

Correspondent Name: Greg T. Sueoka Fenwick & West LLP Address Line 1: Address Line 2: 801 California Street

Address Line 4: Mountain View, CALIFORNIA 94041

20412-11733 ATTORNEY DOCKET NUMBER:

> PATENT **REEL: 018024 FRAME: 0165**

NAME OF SUBMITTER:	Greg T. Sueoka
Total Attachments: 7	
source=11733_assignment#page2.tif	
source=11733_assignment#page3.tif	
source=11733_assignment#page4.tif	
source=11733_assignment#page5.tif	
source=11733_assignment#page6.tif	
source=11733_assignment#page7.tif	
source=11733_assignment#page1.tif	

PATENT REEL: 018024 FRAME: 0166

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 **TRIGGERING APPLICATIONS BASED ON A CAPTURED TEXT IN A MIXED MEDIA ENVIRONMENT** ("APPLICATION"), which:

	s to be filed herewith. aving a filing date of July 31, 2006, and bearing U.S. application
\boxtimes	naving a filing date of 3019 37, and bearing U.S. application
	serial number ///461, 032.

- The APPLICATION claims priority from a provisional application, filed on August 23, 2005, now bearing US application serial number 60/710,767; and from a provisional application, filed on April 17, 2006, now bearing US application serial number 60/792,912, and from a provisional application, filed on July 18, 2006, now bearing US application serial number 60/807,654.
- 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.

1 of 5

Title:

TRIGGERING APPLICATIONS BASED ON A CAPTURED TEXT IN A MIXED

MEDIA ENVIRONMENT

Filed:

not yet known

Application No.:

not yet known

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.

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	<u>I</u>	Date of Signature	2
Jonathan J. Hull	_	July	<i>28</i> ,2006
State of CALIFORNIA County of SAN MATEO	} }ss. }		
On JUN 26, 2006 before me, personally appeared Jonathan J. Hull, person satisfactory evidence to be the person whose acknowledged to me that he executed the sam the instrument the person, or the entity upon instrument.	nally known to name is subso ne in his autho	to me or proved to cribed to the with orized capacity, a	o me on the basis of in instrument and nd that by his signature on

Notary Seal



Muon lion

PATENT

Filed:	MEDIA ENVIRONMENT not yet known			
Application No.:	not yet known			
Name and Signature	2	Date of Signat	ure	
A.		July	27 ,2	2006
Berna Erol				
State of CALIFOR	· · · · · · · · · · · · · · · · · · ·			
County of 5kN	MME0 }ss.			
personally appeared E	Berna Erol, personally known to merson whose name is subscribed to the	o r proved to me	on the basis of	f satisfactory
that he executed the s	ame in his authorized capacity, and pon behalf of which the person act	that by his signa	ature on the ins	
Notary Seal	SHARON KOJIMA Commission # 1469509 Notary Public - California San Mateo County My Comm. Expires Feb 10, 2000	Sharon	Notary	
Name and Signature	;	Date of Signatu		
J. 6-		July .	28 ,2	006
Jamey Graham		•		
State of CALIFOR	LNIA }			
State of CALIFOR	Ss. Ss.			
On SULY 28, 2006 before me, SHAPON LOTIMA, Notary Public, personally appeared Jamey Graham, 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	SHARON KOJIMA Commission # 1469509 Notary Public - California San Mateo County My Comm. Expires Feb 10, 2008	Shavor	Notary	

TRIGGERING APPLICATIONS BASED ON A CAPTURED TEXT IN A MIXED

PATENT REEL: 018024 FRAME: 0169

Title:

Filed: not yet known	
Application No.: not yet known	
	•
Name and Signature	Date of Signature
Name and Signature	Date of Signature
Epoch to	J- 28, 2006
Peter E. Hart	
State of VALIFORNIA	
County of SAN MATEO }ss.	
On July 28, 2006 before me, SHARO	N KOSIMA, Notary Public,
personally appeared Peter E. Hart, personally known to	-
satisfactory evidence to be the person whose name is su	bscribed to the within instrument and
acknowledged to me that he executed the same in his au	
the instrument the person, or the entity upon behalf of v	which the person acted, executed the
instrument.	
SHARON KOJIMA	Share Vincer
Commission # 1469509 Notary Public - California 2	Thanon Koyen
Notary Seal Son Moteo County	Notary
My Comm. Expires Feb 10, 2008	
Name and Signature	Date of Signature
Name and Signature	Date of Signature
Name and Signature	
Dur Stran Lee	Date of Signature 7/28, 2006
Name and Signature Dur Many Lee Dar-Shyang Lee	
Dar Shyang Lee Dar-Shyang Lee	
Dar-Shyang Lee State of CALIFORNIA }	
Dar Shyang Lee Dar-Shyang Lee	
Dar-Shyang Lee State of CALIFORNIA } ss.	7/28,2006
Dar-Shyang Lee State of CALIFORNIA } County of SAN MATEO } On JUCY 28, 2000 before me, DHARD personally appeared Dar-Shyang Lee, personally known	カノンを , 2006 ON トロンパム , Notary Public, to me or proved to me on the basis of
Dar-Shyang Lee State of CALIFORNIA }ss. County of SAN MATEO }ss. On JULY 28, 2006 before me, DHARA	カノンを , 2006 ON トのエース , Notary Public, to me or proved to me on the basis of
Dar-Shyang Lee State of CALIFORNIA } County of SAN MATEO } On JUCY 28, 2006 before me, SHARA personally appeared Dar-Shyang Lee, personally known satisfactory evidence to be the person whose name is su acknowledged to me that he executed the same in his au	, 2006 7/28, , 2006 Notary Public, to me or proved to me on the basis of bscribed to the within instrument and thorized capacity, and that by his signature on
Dar-Shyang Lee State of	, 2006 7/28, , 2006 Notary Public, to me or proved to me on the basis of bscribed to the within instrument and thorized capacity, and that by his signature on
Dar-Shyang Lee State of CALIFORNIA } County of SAN MATEO } On JUCY 28, 2006 before me, SHARA personally appeared Dar-Shyang Lee, personally known satisfactory evidence to be the person whose name is su acknowledged to me that he executed the same in his au	, 2006 7/28, , 2006 Notary Public, to me or proved to me on the basis of bscribed to the within instrument and thorized capacity, and that by his signature on
Dar-Shyang Lee State of CALIFORNIA }ss. County of SAN MATEO }ss. On JUCY 28, 2000 before me, DHARD personally appeared Dar-Shyang Lee, personally known satisfactory evidence to be the person whose name is su acknowledged to me that he executed the same in his authe instrument the person, or the entity upon behalf of winstrument.	, 2006 7/28, , 2006 Notary Public, to me or proved to me on the basis of bscribed to the within instrument and thorized capacity, and that by his signature on which the person acted, executed the
Dar-Shyang Lee State of	, 2006 7/28, , 2006 Notary Public, to me or proved to me on the basis of bscribed to the within instrument and thorized capacity, and that by his signature on

TRIGGERING APPLICATIONS BASED ON A CAPTURED TEXT IN A MIXED

Notary

4 of 5

Notary Seal

Title:

Title:		NS BASED ON A CAPTURED TEXT IN A MIXED
	MEDIA ENVIRONMENT	
Filed:	not yet known	
Application No.:	not yet known	
Name and Signat	ure	Date of Signature
		, 2006
Kurt Piersol		
State of	} }s	c.
County of	}	5.
On	before me,	, Notary Public,
personally appeare	d Kurt Piersol, personally known	n to me or proved to me on the basis of satisfactory
evidence to be the	person whose name is subscribe	d to the within instrument and acknowledged to me
that he executed the	e same in his authorized capacity	y, and that by his signature on the instrument the on acted, executed the instrument.
Notary Seal		Notary

20412/11733/DOCS/1643249.1

PATENT REEL: 018024 FRAME: 0171

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 TRIGGERING APPLICATIONS BASED ON A CAPTURED TEXT IN A MIXED MEDIA ENVIRONMENT ("APPLICATION"), which:
 - is to be filed herewith.

 having a filing date of Joly 31, 2006, and bearing U.S. application serial number // 461, 032.
 - The APPLICATION claims priority from a provisional application, filed on August 23, 2005, now bearing US application serial number 60/710,767; and from a provisional application, filed on April 17, 2006, now bearing US application serial number 60/792,912, and from a provisional application, filed on July 18, 2006, now bearing US application serial number 60/807,654.
 - 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.

1 of 5

Title:	TRIGGERING APPLICATIONS BASED ON A CAPTURED TEXT IN A MIXED MEDIA ENVIRONMENT
Filed:	not yet known
Application No.:	not yet known
Name and Signature	Date of Signature , 2006
State of	}ss.
County of	}
evidence to be the per	before me,, Notary Public, <u>Kurt Piersol</u> , personally known to me or proved to me on the basis of satisfactory rson whose name is subscribed to the within instrument and acknowledged to me same in his authorized capacity, and that by his signature on the instrument the upon behalf of which the person acted, executed the instrument.
Notary Scal	Notary

20412/11733/DOCS/1643249.1

5 of 5

Case Docket #_20412-11733

PATENT REEL: 018024 FRAME: 0173

RECORDED: 07/31/2006