

## PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Berna Erol</td><td>06/27/2008</td></tr><tr><td>Jonathan J. Hull</td><td>07/01/2008</td></tr></tbody></table>	Name	Execution Date	Berna Erol	06/27/2008	Jonathan J. Hull	07/01/2008	
Name	Execution Date						
Berna Erol	06/27/2008						
Jonathan J. Hull	07/01/2008						
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							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12121275</td></tr></tbody></table>	Property Type	Number	Application Number:	12121275			
Property Type	Number						
Application Number:	12121275						
CORRESPONDENCE DATA							
Fax Number:	(650)938-5200						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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Email:	jbush@fenwick.com						
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Address Line 4:	Mountain View, CALIFORNIA 94041						
ATTORNEY DOCKET NUMBER:	20412-14041						
NAME OF SUBMITTER:	Jennifer R. Bush						
Total Attachments: 3 source=14041_Assignment#page1.tif source=14041_Assignment#page2.tif							

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PATENT  
REEL: 021198 FRAME: 0834



## 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 **Web-Based Content Detection in Images, Extraction and Recognition** ("APPLICATION"), which:

☐ is to be filed herewith.  
☒ having a filing date of May 15, 2008, and bearing U.S. application serial number 12/121,275.

☐ The APPLICATION claims priority from a provisional, filed on \_\_\_\_\_, now bearing US application serial number \_\_\_\_\_.

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

Title: Web-Based Content Detection in Images, Extraction and Recognition  
Filed: May 15, 2008  
Application No.: 12/121,275

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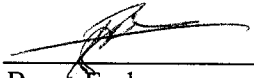
hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

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 \_\_\_\_\_

Date of Signature \_\_\_\_\_

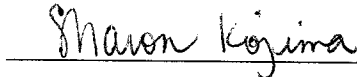
  
\_\_\_\_\_  
Berna Erol

6/27/, 2008

State of CALIFORNIA }

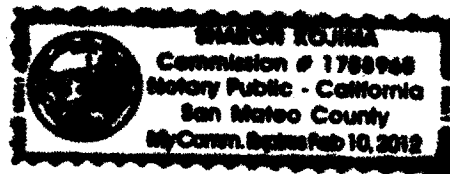
County of SAN MATEO } ss.

On JUNE 27, 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



Title: Web-Based Content Detection in Images, Extraction and Recognition  
Filed: May 15, 2008  
Application No.: 12/121,275

Name and Signature

Jonathan J. Hull  
Jonathan J. Hull

Date of Signature

July 1, 2008

State of CALIFORNIA }  
County of SAN MATEO } ss.

On JULY 1, 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

Sharon Kojima  
Notary

