

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2572351

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>BARTLETT W. MEL</td> <td>10/09/2013</td> </tr> <tr> <td>CHAITHANYA A. RAMACHANDRA</td> <td>10/09/2013</td> </tr> </tbody> </table>		Name	Execution Date	BARTLETT W. MEL	10/09/2013	CHAITHANYA A. RAMACHANDRA	10/09/2013
Name	Execution Date						
BARTLETT W. MEL	10/09/2013						
CHAITHANYA A. RAMACHANDRA	10/09/2013						
RECEIVING PARTY DATA							
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City:	LOS ANGELES						
State/Country:	CALIFORNIA						
Postal Code:	90015						
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>13894276</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13894276		
Property Type	Number						
Application Number:	13894276						
CORRESPONDENCE DATA							
Fax Number:	(310)277-4730						
Phone:	310 788 1569						
Email:	uspto33401@mwe.com						
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>							
Correspondent Name:	MARC E. BROWN						
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Address Line 2:	2049 CENTURY PARK EAST, SUITE 3800						
Address Line 4:	LOS ANGELES, CALIFORNIA 90067						
ATTORNEY DOCKET NUMBER:	028080-0893						
NAME OF SUBMITTER:	MARC E. BROWN						
Signature:	/Marc E. Brown/						

Date:

10/09/2013

Total Attachments: 3

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**ASSIGNMENT**  
(Joint Inventors)

WHEREAS, we, Bartlett W. Mel and Chaithanya A. Ramachandra, (“ASSIGNORS”) have invented “EXTRACTING OBJECT EDGES FROM IMAGES” (“Invention”) for which an application for patent (“Application”) has been filed in the United States, Application No. 13/894,276, filed May 14, 2013; which claims priority to and incorporates by reference United States Provisional Application No. 61/646, 514, filed May 14, 2012;

WHEREAS, we are the joint inventors of the Invention;

WHEREAS, the University of Southern California, (ASSIGNEE) is a corporation organized and existing under the laws of California having a place of business at USC Stevens Institute for Innovation, 1150 South Olive Street, Suite 2300, Los Angeles, California 90015;

WHEREAS, ASSIGNEE desires to acquire the entire right, title and interest in and to the Invention and Application and to all patents based on the Application;

NOW, THEREFORE, for valuable consideration, the receipt and legal sufficiency of which ASSIGNORS acknowledge, ASSIGNORS have and hereby do assign and transfer to ASSIGNEE, its successors and assigns, the entire right, title and interest in and to:

1. The Invention;
2. The Application;
3. All applications based on or claiming priority from the Application, including all divisionals and continuations (“Application Family”);
4. All patents which may be granted on the Invention, Application and Application Family by the United States of America, its territories and possessions, and by all foreign countries, including all priority rights and all reissues thereof (“Patents”); and
5. The right to sue for past infringement of the Invention, Application, Application Family and Patents.

ASSIGNORS agree, at the request of ASSIGNEE, to sign any and all papers reasonably needed to file and prosecute the Application and Application Family, to obtain the Patents, and to perfect and vest in ASSIGNEE the entire right, title and interest in the Invention, Application, Application Family and Patents. ASSIGNORS also agree to provide assistance that is reasonably needed to prepare and prosecute the Application and Application Family.

ASSIGNORS authorize and empower ASSIGNEE, its successors and assigns, to apply for and obtain, in its own name, the Application, Application Family and Patents before competent International Authorities, including the World Intellectual Property Organization and

in any and all foreign countries in which applications for patents can be made or patents obtained.

Dated: 10/9, 2013

Bartlett W. Mel  
Name: BARTLETT W. MEL  
Address: 441 2nd Street  
Manhattan Beach, California 90266

I certify that I am over the age of 18 and that the individual named above signed this document in my presence.

Maria Carreira  
(Print) Name

Maria Carreira  
Signature of Witness

10-9-2013  
Date

441 2nd St.  
Manhattan Beach, CA 90266

Witness Address (Print or Type)

Dated: \_\_\_\_\_, 2013

\_\_\_\_\_  
Name: CHAITHANYA A. RAMACHANDRA  
Address: 6220 Owensmouth Avenue, Apt. 265  
Woodland Hills, California 91367

I certify that I am over the age of 18 and that the individual named above signed this document in my presence.

\_\_\_\_\_  
(Print) Name

\_\_\_\_\_  
Signature of Witness

\_\_\_\_\_  
Date

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Witness Address (Print or Type)

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USC 12-564A

13/894,276

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Dated: \_\_\_\_\_, 2013

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Name: BARTLETT W. MEL  
Address: 441 2nd Street  
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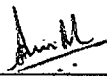
Dated: 10/9/, 2013

  
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Name: CHATHANYA A. RAMACHANDRA  
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I certify that I am over the age of 18 and that the individual named above signed this document in my presence.

ASHWINI MUNDYA

(Print) Name

  
\_\_\_\_\_  
Signature of Witness

10/9/2013  
Date

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