

## PATENT ASSIGNMENT

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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>Murali Annavaram</td> <td>07/14/2013</td> </tr> <tr> <td>Sangwon Lee</td> <td>07/14/2013</td> </tr> </tbody> </table>		Name	Execution Date	Murali Annavaram	07/14/2013	Sangwon Lee	07/14/2013
Name	Execution Date						
Murali Annavaram	07/14/2013						
Sangwon Lee	07/14/2013						
RECEIVING PARTY DATA							
Name:	University of Southern California						
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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>13861140</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13861140		
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Application Number:	13861140						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	Marc E. Brown						
Signature:	/Marc E. Brown/						

Date:

07/19/2013

Total Attachments: 2

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## ASSIGNMENT (Joint Inventors)

WHEREAS, we, Murali Annavaram and Sangwon Lee, ("ASSIGNORS") have invented "RUNTIME SELECTION OF MOST ENERGY-EFFICIENT APPROACH FOR SERVICES REQUESTED BY MOBILE APPLICATIONS" ("Invention") for which an application for patent ("Application") has been filed in the United States, Application No. 13/861,140, filed April 11, 2013, which claims priority to and incorporates by reference United States Provisional Application No. 61/622,981, filed April 11, 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 Center 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

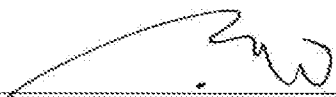
in any and all foreign countries in which applications for patents can be made or patents obtained.

Dated: July 14<sup>th</sup>, 2013

  
Name: MURALI ANNAVARAM  
Address: 535 South Curson Avenue, Apt. 1E  
Los Angeles, California 90036

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

SANGWON LEE  
(Print) Name

  
Signature of Witness

July 14, 2013  
Date

430 S Fuller AVE. APT 7G  
Los Angeles, CA 90036

Witness Address (Print or Type)

Dated: July 14, 2013

  
Name: SANGWON LEE  
Address: 123 South Figueroa Street, Apt. 501A  
Los Angeles, California 90012

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

MURALI ANNAVARAM  
(Print) Name

  
Signature of Witness

July 14, 2013  
Date

412 BRAND AVE  
SOUTH PASADENA  
CA-91030

Witness Address (Print or Type)