

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>Ugur Demiryurek</td> <td>04/23/2012</td> </tr> <tr> <td>Cyrus Shahabi</td> <td>04/23/2012</td> </tr> </tbody> </table>		Name	Execution Date	Ugur Demiryurek	04/23/2012	Cyrus Shahabi	04/23/2012
Name	Execution Date						
Ugur Demiryurek	04/23/2012						
Cyrus Shahabi	04/23/2012						
RECEIVING PARTY DATA							
Name:	University of Southern California						
Street Address:	USC Stevens Institute for Innovation 1150 South Olive Street, Suite 2300						
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>13455035</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13455035		
Property Type	Number						
Application Number:	13455035						
CORRESPONDENCE DATA							
Fax Number:	(877)769-7945						
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>							
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NAME OF SUBMITTER:	William E. Hunter						
Total Attachments: 1 source=Assignment#page1.tif							

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ASSIGNMENT

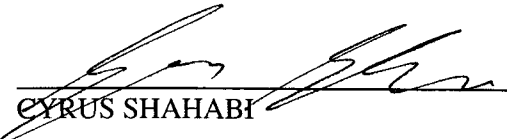
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For valuable consideration, we, UGUR DEMIRYUREK of Belmont Lane # B, Redondo Beach, CA 90278, and CYRUS SHAHABI of 12 Petria Street, Irvine, CA 92606, hereby assign to University of Southern California, a corporation of California having a place of business at USC Stevens Institute for Innovation, 1150 South Olive Street, Suite 2300, Los Angeles, CA 90015 and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled HIERARCHICAL AND EXACT FASTEST PATH COMPUTATION IN TIME-DEPENDENT SPATIAL NETWORKS, filed April 24, 2012, and assigned U.S. Serial Number 13/455,035, and we authorize and request the attorneys appointed in said application to hereafter insert above the filing date and serial number of said application when known; this assignment including said application and U.S. Provisional Application No. 61/482,001 (filed May 3, 2011), any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application (and said provisional application) under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: 04/23/2012


UGUR DEMIRYUREK

Date: 04/23/2012


CYRUS SHAHABI

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