

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Jeyhan Karaoguz</td><td>03/25/2010</td></tr><tr><td>Charles Abraham</td><td>03/21/2010</td></tr><tr><td>Mark Buer</td><td>03/25/2010</td></tr><tr><td>David Garrett</td><td>03/25/2010</td></tr><tr><td>David Albert Lundgren</td><td>03/22/2010</td></tr><tr><td>David Murray</td><td>03/25/2010</td></tr></tbody></table>	Name	Execution Date	Jeyhan Karaoguz	03/25/2010	Charles Abraham	03/21/2010	Mark Buer	03/25/2010	David Garrett	03/25/2010	David Albert Lundgren	03/22/2010	David Murray	03/25/2010	
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Mark Buer	03/25/2010														
David Garrett	03/25/2010														
David Albert Lundgren	03/22/2010														
David Murray	03/25/2010														
RECEIVING PARTY DATA															
Name:	Broadcom Corporation														
Street Address:	5300 California Avenue														
City:	Irvine														
State/Country:	CALIFORNIA														
Postal Code:	92617														
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>12748039</td></tr></tbody></table>	Property Type	Number	Application Number:	12748039											
Property Type	Number														
Application Number:	12748039														
CORRESPONDENCE DATA															
Fax Number:	(312)775-8100														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	312.775.8000														
Email:	mhmpto@mcandrews-ip.com														
Correspondent Name:	Hopeton S. Walker														
Address Line 1:	McAndrews, 500 W. Madison St., 34th Fl														
Address Line 4:	Chicago, ILLINOIS 60661														
ATTORNEY DOCKET NUMBER:	21015US02														
NAME OF SUBMITTER:	Hopeton S. Walker														

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**Total Attachments: 7**

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## ASSIGNMENT

Case No.: 21015US02

Serial No.: 12/748,039

Inventors: Jeyhan Karaoguz  
Charles Abraham  
Mark Buer  
David Garrett  
David Albert Lundgren  
David Murray

Filing Date: March 26, 2010

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, each of the undersigned hereby assigns to Broadcom Corporation, incorporated under the laws of the state of California, its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled: "COLLABORATIVE SHARING OF LOCATION INFORMATION AMONG DEVICES IN A NETWORK" and identified as File No. 21015US02, in the offices of McANDREWS, HELD & MALLOY, LTD., and in a provisional application filed in the United States Patent and Trademark Office as Serial No. 61/303,975 on February 12, 2010, and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any continuation, continuation-in-part, divisional, re-examination, reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee. Each of the undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known. Each of the undersigned warrants himself/herself to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrants that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

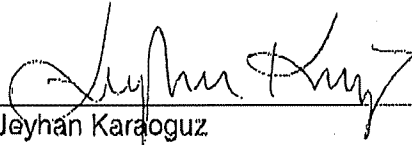
For said considerations, each of the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all continuation, continuation-in-part, divisional, re-examination, extension, and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue, re-examination, or extension of any Letters Patent that may be granted upon said application, and any and all applications and other document for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations each of the undersigned authorizes said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and

**PATENT**

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further agrees, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence and performing any and all other acts necessary to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

WITNESS my hand this 25<sup>th</sup> day of March, 2010.

  
Jeyhan Karaoguz

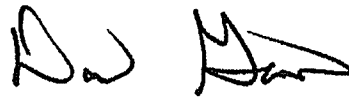
**WITNESS** my hand this 21 day of Mar, 2010.

  
\_\_\_\_\_  
Charles Abraham

WITNESS my hand this 25 day of March, 2010.

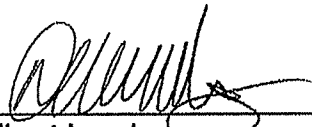
  
\_\_\_\_\_  
Mark Buer

WITNESS my hand this 25 day of MARCH, 2010.

A handwritten signature in black ink, appearing to read "David Garrett", written over a horizontal line.

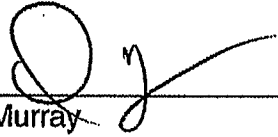
David Garrett

WITNESS my hand this 22 day of March, 2010.

  
\_\_\_\_\_  
David Albert Lundgren



WITNESS my hand this 25 day of March, 2010.

  
\_\_\_\_\_  
David Murray