

# PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Thomas Killian</td> <td>11/11/2009</td> </tr> <tr> <td>Byoung-Jo Kim</td> <td>11/12/2009</td> </tr> <tr> <td>Christopher Rice</td> <td>11/11/2009</td> </tr> <tr> <td>Nemmara K. Shankaranarayanan</td> <td>11/12/2009</td> </tr> </tbody> </table>		Name	Execution Date	Thomas Killian	11/11/2009	Byoung-Jo Kim	11/12/2009	Christopher Rice	11/11/2009	Nemmara K. Shankaranarayanan	11/12/2009
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<b>RECEIVING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>AT&amp;T Intellectual Property I, L.P.</td> </tr> <tr> <td>Street Address:</td> <td>645 E. Plumb Lane</td> </tr> <tr> <td>City:</td> <td>Reno</td> </tr> <tr> <td>State/Country:</td> <td>NEVADA</td> </tr> <tr> <td>Postal Code:</td> <td>89502</td> </tr> </table>		Name:	AT&T Intellectual Property I, L.P.	Street Address:	645 E. Plumb Lane	City:	Reno	State/Country:	NEVADA	Postal Code:	89502
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (732)842-8388</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 732-842-8110</p> <p>Email: tcarter@walltong.com</p> <p>Correspondent Name: John Sherman</p> <p>Address Line 1: One AT&amp;T Way</p> <p>Address Line 2: Room 2A-207</p> <p>Address Line 4: Bedminster, NEW JERSEY 07921</p>											
ATTORNEY DOCKET NUMBER:	ATT/2008-1150										
NAME OF SUBMITTER:	Kin-Wah Tong										
Total Attachments: 5											

OP \$40.00 12619616

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**PATENT**  
**REEL: 023526 FRAME: 0748**

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## ASSIGNMENT AND AGREEMENT

For value received, we, Thomas Killian of Westfield in the County of Union and State of New Jersey, Byoung-Jo Kim of Morganville in the County of Monmouth and the State of New Jersey, Christopher Rice of Parsippany in the County of Morris and the State of New Jersey, Nemmara K. Shankaranarayanan of Bridgewater in the County of Somerset and the State of New Jersey, hereby sell, assign and transfer to AT&T Intellectual Property I, L.P., a partnership organized and existing under the laws of the State of Nevada, having a place of business at 645 E. Plumb Lane, Reno, Nevada 89502, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **METHOD AND APPARATUS FOR PROVIDING RADIO COMMUNICATION WITH AN OBJECT IN A LOCAL ENVIRONMENT**, described in an application for Letters Patent of the United States, executed by us of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to AT&T Intellectual Property I, L.P. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize AT&T Intellectual Property I, L.P. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of AT&T Intellectual Property I, L.P. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to AT&T Intellectual Property I, L.P. in the United States and in all countries foreign to the United States, or to such nominees as AT&T Intellectual Property I, L.P. may designate.

We agree that, when requested, we shall, without charge to AT&T Intellectual Property I, L.P. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Date: 11/11/09

Thomas Killian  
THOMAS KILLIAN

County of Union )  
State of NJ )

On this 11th day of November, 2009, before me personally came THOMAS KILLIAN, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Ingrid Filannino  
Notary Public

**INGRID FILANNINO**  
**ID # 2226569**  
**NOTARY PUBLIC OF NEW JERSEY**  
**Commission Expires 6/15/2014**

Date: Nov. 12, 2009

  
BYOUNG-JO KIM

County of )  
State of )

On this 12<sup>th</sup> day of November, 2009, before me personally came BYOUNG-JO KIM, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

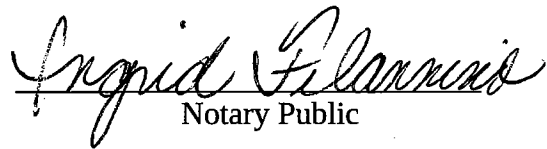


Date: 11/11/2009

  
CHRISTOPHER RICE

County of Union )  
State of NJ )

On this 11th day of November, 2009, before me personally came CHRISTOPHER RICE, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

**INGRID FILANNINO**  
ID # 2226569  
NOTARY PUBLIC OF NEW JERSEY  
Commission Expires 6/15/2014

Date: 11/12/2009

Nemmara K. Shankaranarayanan  
NEMMARA K. SHANKARANARAYANAN

County of Morris )  
State of New Jersey )

On this 12 day of November, 2009, before me personally came NEMMARA K. SHANKARANARAYANAN, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Isabel M. Cabrera  
Notary Public

**ISABEL M. CABRERA**  
**NOTARY PUBLIC OF NEW JERSEY**  
**I.D. # 2389780**  
**My Commission Expires 9/24/2014**