

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<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>Xiaodong Li</td> <td>04/08/2005</td> </tr> <tr> <td>Titus Lo</td> <td>04/08/2005</td> </tr> <tr> <td>Haiming Huang</td> <td>04/08/2005</td> </tr> <tr> <td>Kemin Li</td> <td>04/08/2005</td> </tr> </tbody> </table>		Name	Execution Date	Xiaodong Li	04/08/2005	Titus Lo	04/08/2005	Haiming Huang	04/08/2005	Kemin Li	04/08/2005		
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RECEIVING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Waltical Solution, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1750 112th Ave. NE</td> </tr> <tr> <td>Internal Address:</td> <td>Suite D159</td> </tr> <tr> <td>City:</td> <td>Bellevue</td> </tr> <tr> <td>State/Country:</td> <td>WASHINGTON</td> </tr> <tr> <td>Postal Code:</td> <td>98004</td> </tr> </table>		Name:	Waltical Solution, Inc.	Street Address:	1750 112th Ave. NE	Internal Address:	Suite D159	City:	Bellevue	State/Country:	WASHINGTON	Postal Code:	98004
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
<p>Fax Number: (206)359-9219</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Email: solson@perkinscoie.com</p> <p>Correspondent Name: Stephanie Olson</p> <p>Address Line 1: PO Box 1247</p> <p>Address Line 2: SEA-PAT</p> <p>Address Line 4: Seattle, WASHINGTON 98111-1247</p>													
ATTORNEY DOCKET NUMBER:	61240.8008 US01												
NAME OF SUBMITTER:	Stephen C. Bishop												

OP \$40.00 10583158

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PATENT
REEL: 023491 FRAME: 0649

Total Attachments: 6

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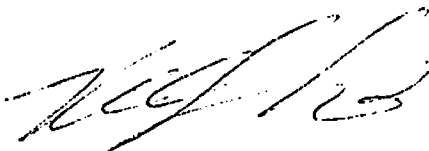
ASSIGNMENT BY INVENTORS

This Assignment is by Xiaodong Li; Titus Lo; Haiming Huang; and Kemin Li (the "Assignors"), residing at 9919 129th PL NE, Kirkland, Washington 98033; 10501 181st Ave. NE, Redmond, Washington 98052; 605 141st CT SE #D203, Bellevue, Washington 98007; and 4228 144th LN SE, Bellevue, 98006, respectively. The Assignors have invented one or more certain inventions (the "Invention(s)") described in a Patent application for Letters Patent of the United States entitled METHODS AND APPARATUS FOR RANDOM ACCESS IN MULTI-CARRIER COMMUNICATION SYSTEMS (the "Application"), executed concurrently herewith and naming the Assignors as inventors. The Assignors authorize the Assignee, identified below, or its representatives to insert the application number of the Application US05/08169 when known.

Waltical Solution, Inc. (formerly Walbell Technologies, Inc.), a corporation of Washington having its principal place of business at Suite D159, 1750 112th Ave. NE, Bellevue, Washington 98004 ("Assignee"), desires to acquire the entire right, title and interest in and to the Invention(s) and the Application, and in and to any patents (collectively, "Patents") that may be granted for the Invention(s) in the United States or in any foreign countries.

For valuable consideration, the receipt and sufficiency of which Assignors acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Application, and any Patents; any divisions, continuations, and continuations-in-part of the Application and any other application claiming priority rights from the Application; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from the Application (collectively, the "Rights"). Assignors warrant that Assignors own the Rights, and that the Rights are unencumbered. Assignors also agree to not sign any writing or do any act conflicting

with this assignment, and, without further compensation, sign all documents and do such additional acts as Assignee deems necessary or desirable to: perfect Assignee's enjoyment of the Rights; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights. Assignors request the Commissioner of Patents to issue any Patent of the United States that may be issued on the Invention(s) to Assignee. This Assignment may be executed in counterparts.

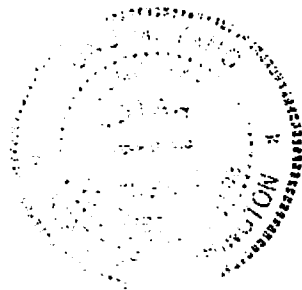


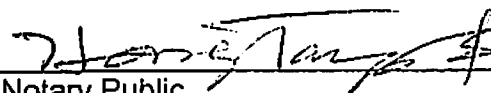
Xiaodong Li

Date: 4/8/05

United States of America)
State of Washington) ss.:
County of King)

On this 8th day of April, 2005, before me
personally came Xiaodong Li, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.




Notary Public

Titus Lo

Date:

7:18, 2005

United States of America)

State of

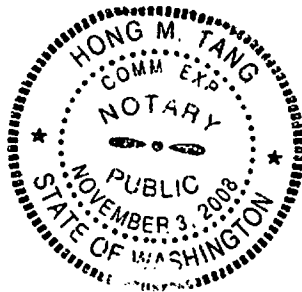
Washington

) ss.:

County of

King

On this 8th day of April, 2005, before me personally came Titus Lo, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



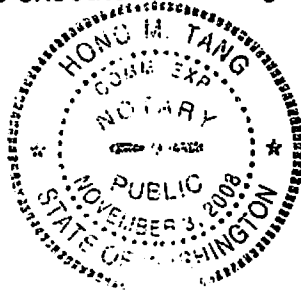
Hong M. Tang
Notary Public

[Signature]
Kemin Li

Date: Apr 8 2005

United States of America)
State of Washington) ss.:
County of King)

On this 8th day of April, 2005, before me
personally came Kemin Li, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.



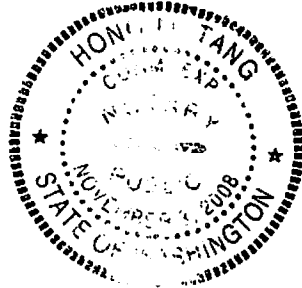
[Signature]
Notary Public

Haiming Huang
Haiming Huang

Date: April 8, 2005

United States of America)
State of Washington) ss.:
County of King)

On this 8th day of April, 2005, before me
personally came Haiming Huang, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.



Hong Tang
Notary Public