

**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"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Vladimir Bronstein</td> <td>08/09/2009</td> </tr> <tr> <td>James Chen</td> <td>08/05/2009</td> </tr> <tr> <td>Xiaogang Zhu</td> <td>08/05/2009</td> </tr> <tr> <td>Tienchuan Ko</td> <td>08/05/2009</td> </tr> </tbody> </table>		Name	Execution Date	Vladimir Bronstein	08/09/2009	James Chen	08/05/2009	Xiaogang Zhu	08/05/2009	Tienchuan Ko	08/05/2009
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Vladimir Bronstein	08/09/2009										
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Tienchuan Ko	08/05/2009										
<b>RECEIVING PARTY DATA</b>											
Name:	HITACHI COMMUNICATION TECHNOLOGIES AMERICA, INC.										
Street Address:	3920 Freedom Circle, Suite 101										
City:	Santa Clara										
State/Country:	CALIFORNIA										
Postal Code:	95054										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12566581</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12566581						
Property Type	Number										
Application Number:	12566581										
<b>CORRESPONDENCE DATA</b>											
Fax Number:	(949)202-3138										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Email:	pia.kamath@haynesboone.com										
Correspondent Name:	Haynes and Boone, LLP										
Address Line 1:	2323 Victory Avenue, Suite 700										
Address Line 4:	Dallas, TEXAS 75219										
ATTORNEY DOCKET NUMBER:	70457.5										
NAME OF SUBMITTER:	Jonathan Hallman										
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif											

OP \$40.00 12566581

**PATENT**

**501413085**

**REEL: 025677 FRAME: 0333**

**ASSIGNMENT**

For good and valuable consideration, receipt of which is hereby acknowledged, we

**Vladimir Bronstein** of **Santa Clara, California**  
**James Chen** of **Santa Clara, California**  
**Xiaogang Zhu** of **San Jose, California**  
**Tienchuan Ko** of **San Jose, California**

hereby sell, assign and transfer to **HITACHI COMMUNICATION TECHNOLOGIES AMERICA, INC.**, having a place of business at 3920 Freedom Circle, Ste. 101, Santa Clara, California 95054, its successors and assigns, the entire right, title and interest throughout the world in our invention in

**ACCELERATED CABLE MODEM RESTART SERVICE**

for which we filed a United States Patent Application on **September 24, 2009, Application No. 12/566,581**, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, its successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 9th day of August, 2009.

  
\_\_\_\_\_  
Vladimir Bronstein

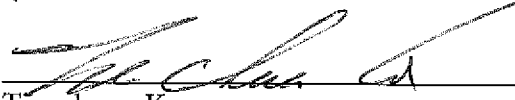
Executed this 5th day of August, 2009.

  
\_\_\_\_\_  
James Chen

Executed this 5<sup>th</sup> day of August, 2009.

  
\_\_\_\_\_  
Xiaogang Zhu

Executed this 5<sup>th</sup> day of August, 2009.

  
\_\_\_\_\_  
Tienchuan Ko