

## PATENT ASSIGNMENT

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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>Ke Zhang</td> <td>12/18/2012</td> </tr> <tr> <td>Yeping Su</td> <td>12/18/2012</td> </tr> <tr> <td>Hsi-Jung Wu</td> <td>12/18/2012</td> </tr> <tr> <td>Hao Pan</td> <td>12/18/2012</td> </tr> </tbody> </table>		Name	Execution Date	Ke Zhang	12/18/2012	Yeping Su	12/18/2012	Hsi-Jung Wu	12/18/2012	Hao Pan	12/18/2012
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Apple Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1 Infinite Loop</td> </tr> <tr> <td>City:</td> <td>Cupertino</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95014</td> </tr> </table>		Name:	Apple Inc.	Street Address:	1 Infinite Loop	City:	Cupertino	State/Country:	CALIFORNIA	Postal Code:	95014
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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>13631605</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13631605						
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Application Number:	13631605										
CORRESPONDENCE DATA											
Fax Number: <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Email: yartsisheuskaya@kenyon.com Correspondent Name: KENYON & KENYON, LLP Address Line 1: One Broadway Address Line 4: New York, NEW YORK 10004											
ATTORNEY DOCKET NUMBER:	13316/1502701										
NAME OF SUBMITTER:	Yuliya Artsisheuskaya										
Total Attachments: 2 source=Executed_Assignment_1502701#page1.tif source=Executed_Assignment_1502701#page2.tif											

OP \$40.00 13631605

PATENT

## ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned hereby sell, assign, and transfer to **Apple Inc.**, a corporation of the state of California, having a principal place of business at 1 Infinite Loop, Cupertino, California, 95014-2084 ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and discoveries that are disclosed in the United States Patent Application entitled:

**TECHNIQUES FOR ADAPTIVE VIDEO STREAMING**

the specification of which is attached hereto unless the following is entered:


Filed on	as United States Application Number or PCT International Application Number	and was amended on (if applicable)
September 28, 2012	13/631,605	

and in and to said United States Patent Application and all provisional, divisional, continuing, substitute, renewal, reissue, and other patent applications that have been or shall be filed in the United States or any foreign country on any of said inventions and discoveries; and in and to all original and reissued patents that have been or shall be issued in the United States or any foreign country on said inventions and discoveries; and in and to all rights of priority resulting from the filing of said United States Patent Application;


agree that said Assignee may apply for and receive a patent or patents for said inventions and discoveries in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional, divisional, continuing, substitute, renewal, reissue, and other patent applications on any and all said inventions and discoveries; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions and discoveries and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions and discoveries and for vesting title to said inventions and discoveries, and all applications for patents and all patents on said inventions and discoveries, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

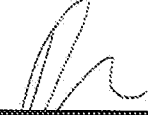
Inventor: Ke Zhang

Inventor Signature		Date	Dec. 18, 2012
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Inventor: Yeping Su

Inventor Signature		Date	12/18/2012
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Inventor: Hsi-Jung Wu

Inventor Signature		Date	12/18/2012
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Inventor: Hao Pan

Inventor Signature 	Date 12/18/2012
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**Assignment Document Return Address:**

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