

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT2906068

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HON WAH CHIN	09/24/2013
HOWARD LEE DAVIDSON	09/23/2013
RODERICK A. HYDE	10/04/2013
JORDIN T. KARE	10/04/2013
ROBERT C. PETROSKI	09/23/2013
DAVID B. TUCKERMAN	09/22/2013
LOWELL L. WOOD JR.	10/05/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ELWHA LLC
<b>Street Address:</b>	11235 S.E. 6TH STREET
<b>Internal Address:</b>	SUITE 200
<b>City:</b>	BELLEVUE
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98004
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14013845
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(801)578-6999
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	801-328-3131
<b>Email:</b>	kdchristensen@stoel.com
<b>Correspondent Name:</b>	ELWHA LLC C/O STOEL RIVES LLP KORY D. CH
<b>Address Line 1:</b>	201 S. MAIN STREET
<b>Address Line 2:</b>	SUITE 1100
<b>Address Line 4:</b>	SALT LAKE CITY, UTAH 84111
<b>ATTORNEY DOCKET NUMBER:</b>	46076/171
<b>NAME OF SUBMITTER:</b>	KORY D. CHRISTENSEN
<b>SIGNATURE:</b>	/Kory D. Christensen/

PATENT

<b>DATE SIGNED:</b>	06/19/2014
---------------------	------------

**Total Attachments: 8**  
source=46076\_171Assign#page1.tif  
source=46076\_171Assign#page2.tif  
source=46076\_171Assign#page3.tif  
source=46076\_171Assign#page4.tif  
source=46076\_171Assign#page5.tif  
source=46076\_171Assign#page6.tif  
source=46076\_171Assign#page7.tif  
source=46076\_171Assign#page8.tif

ASSIGNMENT

We, Hon Wah Chin, Howard Lee Davidson, Roderick A. Hyde, Jordin T. Kare, Nicholas F. Pasch, Robert C. Petroski, David B. Tuckerman, and Lowell L. Wood, Jr., declare that we have invented the invention described in a United States Utility Application Serial No. 14/013,845, titled SYSTEMS AND METHODS FOR ATOMIC FILM DATA STORAGE, filed on August 29, 2013, in the United States Patent and Trademark Office, identified as Stoel Rives LLP Docket No. 46076/171.

The Assignee, Elwha LLC, a limited liability company of the State of Delaware, having a place of business at 11235 S.E. 6<sup>th</sup> Street, Suite 200, Bellevue, WA 98004, desires to secure the entire right, title and interest therein.

For good and valuable consideration, the receipt and sufficiency of which we hereby acknowledge, WE HEREBY ASSIGN TO THE ASSIGNEE:

The entire right, title and interest in said inventions in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing thereon in the United States and Foreign countries.

The right to file foreign patent applications on said invention in its own name, wherever such right may be legally exercised, including the right to claim the benefits of the International Convention for such applications.

We hereby authorize and request the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all patents on said invention to the Assignee as the

owner of the entire interest, for the sole use and benefit of the said Assignee, its successors, assigns and legal representatives.

We hereby agree, without further consideration and without expense to us, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of us to make this Assignment fully effective, including, by way of example but not of limitation, the following:

Prompt execution of all original, divisional, substitute, reissue, and other United States and foreign patent applications on said invention, and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of our ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension, or infringement proceedings involving said invention.

This assignment and agreement shall be binding upon our heirs and legal representatives.

Dated: 9/24/13

Hon Wah Chin  
Hon Wah Chin  
3281 Greer Rd.  
Palo Alto, CA 94303

Dated: \_\_\_\_\_

\_\_\_\_\_  
Howard Lee Davidson  
59 Club Dr.  
San Carlos, CA 94070

Dated: \_\_\_\_\_

\_\_\_\_\_  
Roderick A. Hyde  
9915 - 161st Avenue N.E.  
Redmond, WA 98052

owner of the entire interest, for the sole use and benefit of the said Assignee, its successors, assigns and legal representatives.

We hereby agree, without further consideration and without expense to us, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of us to make this Assignment fully effective, including, by way of example but not of limitation, the following:

Prompt execution of all original, divisional, substitute, reissue, and other United States and foreign patent applications on said invention, and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of our ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension, or infringement proceedings involving said invention.

This assignment and agreement shall be binding upon our heirs and legal representatives.

Dated: \_\_\_\_\_

\_\_\_\_\_  
Hon Wah Chin  
3281 Greer Rd.  
Palo Alto, CA 94303

Dated: 9/23/2013

\_\_\_\_\_  
*Howard Lee Davidson*  
Howard Lee Davidson  
59 Club Dr.  
San Carlos, CA 94070

Dated: \_\_\_\_\_

\_\_\_\_\_  
Roderick A. Hyde  
9915 - 161st Avenue N.E.  
Redmond, WA 98052

owner of the entire interest, for the sole use and benefit of the said Assignee, its successors, assigns and legal representatives.

We hereby agree, without further consideration and without expense to us, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of us to make this Assignment fully effective, including, by way of example but not of limitation, the following:

Prompt execution of all original, divisional, substitute, reissue, and other United States and foreign patent applications on said invention, and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of our ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension, or infringement proceedings involving said invention.

This assignment and agreement shall be binding upon our heirs and legal representatives.

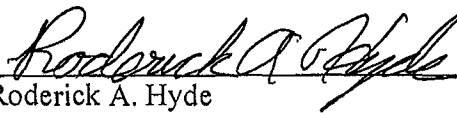
Dated: \_\_\_\_\_

\_\_\_\_\_  
Hon Wah Chin  
3281 Greer Rd.  
Palo Alto, CA 94303

Dated: \_\_\_\_\_

\_\_\_\_\_  
Howard Lee Davidson  
59 Club Dr.  
San Carlos, CA 94070

Dated: 10/4/2013

  
\_\_\_\_\_  
Roderick A. Hyde  
9915 - 161st Avenue N.E.  
Redmond, WA 98052

Dated: 10/4/2013

Jordin T. Kare  
Jordin T. Kare  
908 15th Ave E.  
Seattle, WA 98112

Dated: \_\_\_\_\_

\_\_\_\_\_  
Nicholas F. Pasch  
2706 162nd Ave SE  
Bellevue, WA 98008

Dated: \_\_\_\_\_

\_\_\_\_\_  
Robert C. Petroski  
1435 E John St #405  
Seattle, WA 98112

Dated: \_\_\_\_\_

\_\_\_\_\_  
David B. Tuckerman  
3 Wellesley Ct  
Lafayette, CA 94549

Dated: \_\_\_\_\_

\_\_\_\_\_  
Lowell L. Wood, Jr.  
989 112th Ave NE #2310  
Bellevue, WA 98004


Dated: \_\_\_\_\_

\_\_\_\_\_  
Jordin T. Kare  
908 15th Ave E.  
Seattle, WA 98112

Dated: \_\_\_\_\_

\_\_\_\_\_  
Nicholas F. Pasch  
2706 162nd Ave SE  
Bellevue, WA 98008

Dated: 9/23/15 \_\_\_\_\_

\_\_\_\_\_  
  
Robert C. Petroski  
1435 E John St #405  
Seattle, WA 98112

Dated: \_\_\_\_\_

\_\_\_\_\_  
David B. Tuckerman  
3 Wellesley Ct  
Lafayette, CA 94549

Dated: \_\_\_\_\_

\_\_\_\_\_  
Lowell L. Wood, Jr.  
989 112th Ave NE #2310  
Bellevue, WA 98004



Dated: \_\_\_\_\_

Jordin T. Kare  
908 15th Ave E.  
Seattle, WA 98112

Dated: \_\_\_\_\_

Nicholas F. Pasch  
2706 162nd Ave SE  
Bellevue, WA 98008

Dated: \_\_\_\_\_

Robert C. Petroski  
1435 E John St #405  
Seattle, WA 98112

Dated: 9-22-2013

*David B. Tuckerman*  
David B. Tuckerman  
3 Wellesley Ct  
Lafayette, CA 94549

Dated: \_\_\_\_\_

Lowell L. Wood, Jr.  
989 112th Ave NE #2310  
Bellevue, WA 98004

Dated: \_\_\_\_\_

\_\_\_\_\_  
Jordin T. Kare  
908 15th Ave E.  
Seattle, WA 98112

Dated: \_\_\_\_\_

\_\_\_\_\_  
Nicholas F. Pasch  
2706 162nd Ave SE  
Bellevue, WA 98008

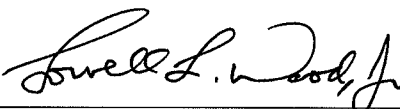
Dated: \_\_\_\_\_

\_\_\_\_\_  
Robert C. Petroski  
1435 E John St #405  
Seattle, WA 98112

Dated: \_\_\_\_\_

\_\_\_\_\_  
David B. Tuckerman  
3 Wellesley Ct  
Lafayette, CA 94549

Dated: 5 October 2013

  
\_\_\_\_\_  
Lowell L. Wood, Jr.  
989 112th Ave NE #2310  
Bellevue, WA 98004