

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Royce A. Levien</td> <td>01/20/2013</td> </tr> <tr> <td>Richard T. Lord</td> <td>12/30/2012</td> </tr> <tr> <td>Robert W. Lord</td> <td>12/30/2012</td> </tr> <tr> <td>Mark A. Malamud</td> <td>01/13/2013</td> </tr> </tbody> </table>		Name	Execution Date	Royce A. Levien	01/20/2013	Richard T. Lord	12/30/2012	Robert W. Lord	12/30/2012	Mark A. Malamud	01/13/2013
Name	Execution Date										
Royce A. Levien	01/20/2013										
Richard T. Lord	12/30/2012										
Robert W. Lord	12/30/2012										
Mark A. Malamud	01/13/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Elwha LLC</td> </tr> <tr> <td>Street Address:</td> <td>11235 S.E. 6th Street, Suite 200</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:	Elwha LLC	Street Address:	11235 S.E. 6th Street, Suite 200	City:	Bellevue	State/Country:	WASHINGTON	Postal Code:	98004
Name:	Elwha LLC										
Street Address:	11235 S.E. 6th Street, Suite 200										
City:	Bellevue										
State/Country:	WASHINGTON										
Postal Code:	98004										
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>13662228</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13662228						
Property Type	Number										
Application Number:	13662228										
CORRESPONDENCE DATA											
<p>Fax Number: 4256790566  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 425-467-2300        Email: tgutscher@intvenls.com</p> <p>Correspondent Name: Elwha LLC        Address Line 1: 11235 S.E. 6th Street, Suite 200        Address Line 4: Bellevue, WASHINGTON 98004</p>											
ATTORNEY DOCKET NUMBER:	0711-003-047-C00001										
NAME OF SUBMITTER:	Sam C. Olive III										
<p>Total Attachments: 8        source=Executed_Assignment#page1.tif</p>											

CH \$40.00 13662228

source=Executed\_Assignment#page2.tif  
source=Executed\_Assignment#page3.tif  
source=Executed\_Assignment#page4.tif  
source=Executed\_Assignment#page5.tif  
source=Executed\_Assignment#page6.tif  
source=Executed\_Assignment#page7.tif  
source=Executed\_Assignment#page8.tif

## ASSIGNMENT

WHEREAS, we, Royce A. Levien, Richard T. Lord, Robert W. Lord, and Mark A. Malamud (hereinafter referred to as ASSIGNORS), having post office addresses of , and , respectively, are the joint inventors of an invention entitled "METHODS AND SYSTEMS FOR MANAGING ADAPTATION DATA," as described and claimed in the specification for which an application for United States letters patent was filed on October 26, 2012 and assigned Application No. 13/662,228; and

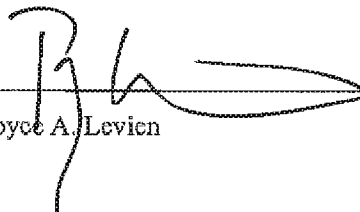
WHEREAS, Elwha LLC, (hereinafter referred to as ASSIGNEE), a limited liability company of the State of Delaware, having a place of business at 11235 S.E. 6<sup>th</sup> Street, Suite 200, Bellevue, WA 98004, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE.

ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

2013-01-20

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Royce A. Levien

\_\_\_\_\_  
Date

\_\_\_\_\_  
Richard T. Lord

\_\_\_\_\_  
Date

\_\_\_\_\_  
Robert W. Lord

\_\_\_\_\_  
Date

\_\_\_\_\_  
Mark A. Malamud

## ASSIGNMENT

WHEREAS, we, Royce A. Levien, Richard T. Lord, Robert W. Lord, and Mark A. Malamud (hereinafter referred to as ASSIGNORS), having post office addresses of , and , respectively, are the joint inventors of an invention entitled "METHODS AND SYSTEMS FOR MANAGING ADAPTATION DATA," as described and claimed in the specification for which an application for United States letters patent was filed on October 26, 2012 and assigned Application No. 13/662,228; and

WHEREAS, Elwha LLC, (hereinafter referred to as ASSIGNEE), 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, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE.

ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Royce A. Levien

12/30/2012  
\_\_\_\_\_  
Date

Richard T. Lord  
\_\_\_\_\_  
Richard T. Lord

\_\_\_\_\_  
Date

\_\_\_\_\_  
Robert W. Lord

\_\_\_\_\_  
Date

\_\_\_\_\_  
Mark A. Malamud

## ASSIGNMENT

WHEREAS, we, Royce A. Levien, Richard T. Lord, Robert W. Lord, and Mark A. Malamud (hereinafter referred to as ASSIGNORS), having post office addresses of , and , respectively, are the joint inventors of an invention entitled "METHODS AND SYSTEMS FOR MANAGING ADAPTATION DATA," as described and claimed in the specification for which an application for United States letters patent was filed on October 26, 2012 and assigned Application No. 13/662,228; and

WHEREAS, Elwha LLC, (hereinafter referred to as ASSIGNEE), 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, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE.

ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Royce A. Levien

\_\_\_\_\_  
Date

\_\_\_\_\_  
Richard T. Lord

12/30/2012  
Date

X  
Robert W. Lord

\_\_\_\_\_  
Date

\_\_\_\_\_  
Mark A. Malamud



## ASSIGNMENT

WHEREAS, we, Royce A. Levien, Richard T. Lord, Robert W. Lord, and Mark A. Malamud (hereinafter referred to as ASSIGNORS), having post office addresses of , and , respectively, are the joint inventors of an invention entitled "METHODS AND SYSTEMS FOR MANAGING ADAPTATION DATA," as described and claimed in the specification for which an application for United States letters patent was filed on October 26, 2012 and assigned Application No. 13/662,228; and

WHEREAS, Elwha LLC, (hereinafter referred to as ASSIGNEE), 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, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE.

ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Royce A. Levien

\_\_\_\_\_  
Date

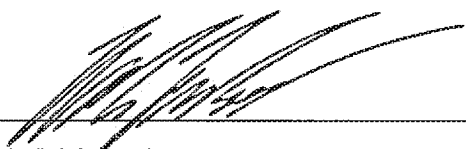
\_\_\_\_\_  
Richard T. Lord

\_\_\_\_\_  
Date

\_\_\_\_\_  
Robert W. Lord

\_\_\_\_\_  
1-13-13

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Mark A. Malamud