PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Edward S. Boyden	02/25/2013
Gregory J. Della Rocca	03/10/2013
Daniel Hawkins	02/21/2013
Roderick A. Hyde	02/26/2013
Robert Langer	03/13/2013
Eric C. Leuthardt	02/21/2013
Terence Myckatyn	02/18/2013
Parag Jitendra Parikh	02/28/2013
Dennis J. Rivet	03/28/2013
Joshua S. Shimony	03/08/2013
Michael A. Smith	04/03/2013
Clarence T. Tegreene	05/15/2013

RECEIVING PARTY DATA

Name:	Elwha LLC
Street Address:	11235 SE 6th Street, Suite 200
City:	Bellevue
State/Country:	WASHINGTON
Postal Code:	98004

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13628442

CORRESPONDENCE DATA

Fax Number: 4256790566

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 425-283-4785
Email: danam@intvenls.com

PATENT

REEL: 031231 FRAME: 0175

15628442

502499969

Correspondent Name: Elwha LLC Address Line 1: 11235 SE 6th Street, Suite 200 Bellevue, WASHINGTON 98004 Address Line 4: ATTORNEY DOCKET NUMBER: 0411-002-008-000000 NAME OF SUBMITTER: Elizabeth L. Schubert Signature: /Elizabeth L. Schubert/ Date: 09/18/2013 Total Attachments: 13 source=assgt-joint-post_Elwha#page1.tif source=assgt-joint-post_Elwha#page2.tif source=assgt-joint-post_Elwha#page3.tif source=assgt-joint-post_Elwha#page4.tif source=assgt-joint-post_Elwha#page5.tif source=assgt-joint-post_Elwha#page6.tif source=assgt-joint-post_Elwha#page7.tif source=assgt-joint-post_Elwha#page8.tif source=assgt-joint-post_Elwha#page9.tif source=assgt-joint-post_Elwha#page10.tif source=assgt-joint-post_Elwha#page11.tif source=assgt-joint-post_Elwha#page12.tif source=assgt-joint-post_Elwha#page13.tif

> PATENT REEL: 031231 FRAME: 0176

ASSIGNMENT

WHEREAS, we, Edward S. Boyden; Gregory J. Della Rocca; Daniel Hawkins; Roderick A. Hyde; Robert Langer; Eric C. Leuthardt; Terence Myckatyn; Parag Jitendra Parikh; Dennis J. Rivet; Joshua S. Shimony; Michael A. Smith; and Clarence T. Tegreene (hereinafter referred to as ASSIGNORS), having post office addresses of 57 Clearwater Road, Chestnut Hill, MA 02467-3706; 2417 Lacewood Drive, Columbia, MO 65201; 5563 156th Avenue SE, Bellevue, WA 98006; 9915 161st Avenue NE, Redmond, WA 98052; 98 Montvale Road, Newton, MA 02459; 6358 Pershing Avenue, St. Louis, MO 63130; 10421 Whitebridge Lane, St. Louis, MO 63141; 648 North Forest Avenue, St. Louis, MO 63119; 1548 Pine Grove Lane, Chesapeake, VA 23321; 721 N Spoede Road, St. Louis, MO 63141; 3824 E Expedition Way, Phoenix, AZ 85050; and 5910 E Mercer Way, Mercer Island, WA 98040, respectively, are the joint inventors of an invention entitled "ARTIFICIAL JOINT COMPONENTS INCLUDING SYNOVIAL FLUID DEFLECTING STRUCTURES," as described and claimed in the specification for which an application for United States letters patent was filed on September 27, 2012 and assigned Application No. 13/628,442; 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. 6th 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

Yzs/zerz	
Date	Edward S. Boyden
Date	Gregory J. Della Rocca
Date	Daniel Hawkins
Date	Roderick A. Hyde
Date	Robert Langer
Date	Eric C. Leuthardt

Date 3/10/2013	Edward S/Boyden
Date TOX	Gregory J. Della Rocca
Date	Daniel Hawkins
Date	Roderick A. Hyde
Date	Robert Langer
Date	Eric C. Leuthardt
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Date	Edward S. Boyden
Date $\frac{2/21/2013}{\text{Date}}$	Gregory J. Della Rocca Daniel Hawkins
Date	Roderick A. Hyde
Date	Robert Langer
Date	Eric C. Leuthardt

Date	Edward S. Boyden
Date	Gregory J. Della Rocca
Date	Daniel Hawkins
2/26/2013 Date	Roderick A. Hyde
Date	Robert Langer
Date	Eric C. Leuthardt

Date	Edward S. Boyden
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Date	Daniel Hawkins
Date	Roderick A. Hyde
3/13/13 Date	Robert Langer
Date	Eric C. Leuthardt

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Date	Edward S. Boyden
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Date	Terence Myckatyn
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Date	Michael A. Smith
Date	Clarence T. Tegreene

Date 2/18/24/3 Date	Terence Myskatyn Parag Jitendra Parikh
	Dennis J. Rivet
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4/ \$/ /5 Date	Michael A. Smith
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5/15/2013 Date	Clarence T. Tegreene

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