PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MAX N. MANKIN	11/23/2015
TONY S. PAN	12/14/2015

RECEIVING PARTY DATA

Name:	ELWHA LLC
Street Address:	3150 - 139TH AVENUE S.E., BLDG 4
Internal Address:	ATTN: PAULA LOUD
City:	BELLEVUE
State/Country:	WASHINGTON
Postal Code:	98005

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15398537

CORRESPONDENCE DATA

Fax Number: (425)467-2351

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.

Phone: 425-467-2300
Email: paulal@intven.com

Correspondent Name: INTELLECTUAL VENTURES

Address Line 1: 3150 - 139TH AVENUE S.E., BLDG 4

Address Line 2: ATTN: PAULA LOUD

Address Line 4: BELLEVUE, WASHINGTON 98005

ATTORNEY DOCKET NUMBER:	0910-026-002-C00001
NAME OF SUBMITTER:	TA'LORIA SIMMS
SIGNATURE:	/Ta'Loria Simms/
DATE SIGNED:	06/08/2017

Total Attachments: 3

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PATENT 504403857 REEL: 042646 FRAME: 0805

ASSIGNMENT

WHEREAS, we, MAX N. MANKIN and TONY S. PAN (hereinafter referred to as ASSIGNORS), having post office addresses of 5101 - 25th Avenue N.E., Apt. C340, Seattle, WA 98105 and 211 – 112th Avenue N.E., Apt. 406, Bellevue, WA 98004, respectively, are the joint inventors of an invention entitled "NANOPARTICLE-TEMPLATED LITHOGRAPHIC PATTERNING OF NANOSCALE ELECTRONIC COMPONENTS," as described and claimed in the specification for which an application for United States letters patent was filed on November 20, 2015 and assigned Application No. 14/947,773; and

WHEREAS, Elwha LLC, (hereinafter referred to as ASSIGNEE), a limited liability company of the State of Delaware, having a place of business at 3150 - 139th Ave SE Building 4, Bellevue, WA 98005, 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

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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.

11/23/15	Non News
Date	Max N. Mankin
Date	Tony S. Pan

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Date	Max N. Mankin	
12/14/2015	Comp 2	
Date	Tony S. Pan	