505883705 01/27/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5930530

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHREE NAYAR	01/22/2020

RECEIVING PARTY DATA

Name:	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK
Street Address:	535 WEST 116TH STREET
Internal Address:	412 LOW MEMORIAL LIBRARY
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10027

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	15492969
Application Number:	15699623

CORRESPONDENCE DATA

Fax Number: (608) 263 - 1064

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: 608-265-7938 Email: mnoriega@warf.org **Correspondent Name:** MEREDITH NORIEGA Address Line 1: 614 WALNUT STREET

Address Line 2: 13TH FLOOR

Address Line 4: MADISON, WISCONSIN 53726

ATTORNEY DOCKET NUMBER:	P170189US01 02 - COLUMBIA	
NAME OF SUBMITTER:	MEREDITH NORIEGA	
SIGNATURE:	/MEREDITH NORIEGA/	
DATE SIGNED:	01/27/2020	

Total Attachments: 2

source=P170189US01 US02 - Assignment - Columbia#page1.tif source=P170189US01 US02 - Assignment - Columbia#page2.tif

> **PATENT** REEL: 051630 FRAME: 0689

505883705

ASSIGNMENT

Pursuant to my obligation to The Trustees of Columbia University in the City of New York (hereinafter referred to as "Assignee"), having its principal place of business at:

535 West 116th Street 412 Low Memorial Library New York, NY 10027

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged, I:

Shree K. Nayar 450 Mudd Hall 500 West, 120 Street New York, NY 10027

confirm my obligation to and effective as of April 20, 2017, hereby sell, assign and convey, unto Assignee, its successors and assigns, my entire right, title and interest—

- (I) in and to an invention entitled "SYSTEMS, METHODS AND MEDIA FOR ENCODING AND DECODING SIGNALS USED IN TIME OF FLIGHT IMAGING" for which United States Patent Application No. 15/699,623 was filed September 8, 2017 (Attorney Docket No. 960296.02129), which application claims the benefit of priority of United States Patent Application No. 15/492,969 filed April 20, 2017 (Attorney Docket No. 960296.02072), (hereinafter the "United States Patent Applications");
- (2) in and to said United States Patent Applications, in and to all other patent applications derived from or relating to said United States Patent Applications (including divisional, continuation, continuation-in-part, §111(b) provisional, §111(a), and reissue applications) based upon said invention, and in and to the patent or patents to be granted thereon, including reissues or reexaminations thereof, if any, to the full end of the term or terms for which said patent or patents may be granted;
- (3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted; and
- (4) in and to all applications filed under International Conventions on the invention or claiming priority to the United States Patent Applications.

1

PATENT REEL: 051630 FRAME: 0690

I agree that any patent applications with a claim to priority based on said United States Patent Applications may be filed in the name of Assignee.

I hereby agree that I will, upon demand of Assignee, its successors or assigns, and without further consideration to me, execute any and all papers that may be necessary, or deemed to be necessary, by Assignee, its successors or assigns, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by me.

The Commissioner of Patents and Trademarks of the United States is hereby authorized and requested to issue said United States patent or patents to Assignee.

22 Jan 2020 Date