

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SUNIL K RAO	01/31/2019
REKHA K RAO	01/31/2019
RAMAN K RAO	01/31/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	IP HOLDINGS, INC.
<b>Street Address:</b>	3087 ALEXIS DRIVE
<b>City:</b>	PALO ALTO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94304
<b>PROPERTY NUMBERS Total: 5</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	8965460
<b>Patent Number:</b>	9380177
<b>Patent Number:</b>	9942420
<b>Application Number:</b>	15949002
<b>Application Number:</b>	16168762
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>Email:</b>	patent@ipholdings.com
<b>Correspondent Name:</b>	IP HOLDINGS, INC
<b>Address Line 1:</b>	3087 ALEXIS DRIVE
<b>Address Line 4:</b>	PALO ALTO, CALIFORNIA 94304
<b>NAME OF SUBMITTER:</b>	SUNIL K. RAO
<b>SIGNATURE:</b>	/Sunil K. Rao/
<b>DATE SIGNED:</b>	02/01/2019
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

WHEREAS I/We, the below named inventor(s) (hereinafter referred to as Assignor(s)), have made an invention entitled:

**Image and augmented reality based networks using mobile devices and intelligent electronic glasses**

for which I/We executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on January 26, 2013 (Application No. 13/751,049; Confirmation No. 4621) and/or PCT International Application No. \_\_\_\_; and;

WHEREAS, **IP Holdings, Inc.**, a corporation of California whose post office address is 3087 Alexis Drive, Palo Alto, CA 94304 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;


NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, provisional Application No (if any), and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority in any foreign country on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application in any foreign country, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Sunil K. RAO	ASSIGNOR'S SIGNATURE 	DATE 1/31/2019
ADDRESS 3087 Alexis Drive, Palo Alto, CA 94304	RESIDENCE Palo Alto, CA	

2. FULL NAME OF SECOND ASSIGNOR, IF ANY Rekha K. RAO	ASSIGNOR'S SIGNATURE <i>Rekha K. Rao</i>	DATE 1/31/2019
ADDRESS 3087 Alexis Drive, Palo Alto, CA 94304		RESIDENCE Palo Alto, CA

3. FULL NAME OF THIRD ASSIGNOR, IF ANY Raman K. RAO (DECEASED)	ASSIGNOR'S SIGNATURE <i>Ratna K. Rao</i>	DATE 1/31/2019
By <i>Rekha K. Rao</i> (Heir)	Heir's Signature	
ADDRESS 3087 Alexis Drive, Palo Alto, CA 94304 (of the Deceased at the Time of Death)		RESIDENCE Palo Alto, CA (DECEASED)