

## 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>
LIGANG WANG	01/17/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	APPLE INC.
<b>Street Address:</b>	1 INFINITE LOOP
<b>City:</b>	CUPERTINO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95014
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15008467
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<b>ATTORNEY DOCKET NUMBER:</b>	P28756US1/1020-1153
<b>NAME OF SUBMITTER:</b>	MIRIAM NAGAWKAR
<b>SIGNATURE:</b>	/MIRIAM NAGAWKAR/
<b>DATE SIGNED:</b>	01/28/2016
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

THIS PATENT ASSIGNMENT is made from the inventor named below (hereinafter, Assignor) to APPLE INC., a California corporation, having a place of business at 1 Infinite Loop, Cupertino, CA 95014, USA (hereinafter, Assignee).

WHEREAS the Assignor has made an invention that is described in the attached patent application entitled POLARIZING BEAMSPLITTER THAT PASSES S-POLARIZATION AND REFLECTS P-POLARIZATION (hereinafter, the Invention),

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to the Assignor, the receipt and sufficiency of which are hereby acknowledged, the Assignor agrees to assign, and hereby does assign, to the Assignee the entire right, title and interest in and to the Invention, including, without limitation, the above-mentioned patent application and all other provisional and non-provisional applications deriving from the above-mentioned patent application, and including any original and/or reissued Letters Patent of the United States granted for the Invention and any divisions, reissues, continuations, continuations-in-part and extensions of any such patent application(s), and including any patents or other forms of protection of industrial property that may be granted in relation to the Invention in any other country, and including the rights to file and prosecute all applications for patents and other forms of protection of industrial property in the United States and other countries and to claim priority from the above-mentioned patent application in the United States and in any other country, and including the subject matter of any and all claims which may be obtained in such patents and the right to enforce such patents.

The Assignor hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from the above-mentioned patent application and any divisions, reissues, continuations, or continuations-in-part thereof to the Assignee, as Assignee of the entire interest, and likewise authorize officials of other countries to issue patents and other forms of industrial property protection to the Assignee.

The Assignor hereby covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed and will not execute any agreement in conflict herewith.

The Assignor agrees to execute all papers in connection with the above-mentioned patent application and any applications filed as divisions, reissues, continuations, or continuations-in-part thereof or otherwise deriving from the above-mentioned patent application, including separate assignments in connection with such applications, that the Assignee may deem desirable for the purposes of obtaining, protecting and enforcing its rights in the Invention.

The Assignor agrees to communicate to the Assignee or representatives thereof any facts known to him or her respecting the Invention and improvements thereof, and will, upon request, but without expense to him or her, testify in any legal proceedings regarding the invention and provide any other assistance deemed necessary by the Assignee to obtain, protect and enforce its rights in the Invention.

This Assignment shall be binding upon the heirs, executors, administrators, and assigns of the Assignor, and shall inure to the benefit of the heirs, executors, administrators, successors and assigns of the Assignee.

IN WITNESS WHEREOF, the Assignor has executed this Assignment on the date indicated below:

Sole inventor: Ligang Wang, citizen of USA

Inventor signature: Ligang Wang Date: 01/17/2016

Residence: Mail Stop 35-2MP, 1 Infinite Loop, Cupertino, CA 95014, USA