

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Lin Zhang	02/04/2011
Yang Yue	02/07/2011
Alan E. Willner	02/07/2011
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PROPERTY NUMBERS Total: 1	
Property Type	Number
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ASSIGNMENT

For valuable consideration, we, Lin Zhang, of Los Angeles, California, Yang Yue, of Los Angeles, California, Alan E. Willner, of Los Angeles, California; hereby assign to UNIVERSITY OF SOUTHERN CALIFORNIA, a corporation of California, having a place of business at USC Stevens Hughes Center Suite EEB 131 3740 McClintock Ave., Los Angeles, California 90089-2561, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled SLOT-WAVEGUIDE-BASED DISPERSION COMPENSATORS , filed February 4, 2010 , and assigned U.S. Serial Number 61/301,518 and of an application for United States Patent signed by us, entitled WAVEGUIDE-BASED DISPERSION DEVICE, filed February 4, 2011 , and assigned U.S. Serial Number 13/021,667 , and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said applications, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said applications under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATE: Lin Zhang

2/4/2011  
\_\_\_\_\_  
LIN ZHANG

DATE: \_\_\_\_\_

\_\_\_\_\_  
YANG YUE

DATE: \_\_\_\_\_

\_\_\_\_\_  
ALAN E. WILLNER

ASSIGNMENT

For valuable consideration, we, Lin Zhang, of Los Angeles, California, Yang Yue, of Los Angeles, California, Alan E. Willner, of Los Angeles, California; hereby assign to UNIVERSITY OF SOUTHERN CALIFORNIA, a corporation of California, having a place of business at USC Stevens Hughes Center Suite EEB 131 3740 McClintock Ave., Los Angeles, California 90089-2561, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled SLOT-WAVEGUIDE-BASED DISPERSION COMPENSATORS, filed February 4, 2010, and assigned U.S. Serial Number 61/301,518 and of an application for United States Patent signed by us, entitled WAVEGUIDE-BASED DISPERSION DEVICE, filed February 4, 2011, and assigned U.S. Serial Number 13/021,667, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said applications, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said applications under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATE: \_\_\_\_\_

\_\_\_\_\_  
LIN ZHANG

DATE: 2/7/2011

\_\_\_\_\_  
*Yang Yue*  
YANG YUE

DATE: 2/7/2011

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*Alan E. Willner*  
ALAN E. WILLNER

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