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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GARY A. EVANS	04/14/2014
JEROME K. BUTLER	04/15/2014
JAY B. KIRK	04/14/2014
RUO-HUA HE	04/14/2014

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16523291

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NAME OF SUBMITTER:	CYNTHIA MINCHILLO
SIGNATURE:	/Cynthia Minchillo/
DATE SIGNED:	08/14/2019

Total Attachments: 3

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PATENT REEL: 050054 FRAME: 0637

Assignment of Patent Application Serial No. 61/874,162 Attorney Docket No. SMU:1020

ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to **Southern Methodist University** (the "Assignee"), having a place of business at **P.O. Box 750132, Dallas, Texas 75275-0132**, the entire right, title and interest for the United States and all foreign countries in and to any and all inventions, subject matter and improvements disclosed in the application for **United States Letters Patent, Serial No. 61/874,162**, which has been filed on **September 5, 2013**, and is entitled "**Enhanced Coupling Strength Gratings,"** (the "Invention"), such application and any and all divisional, continuing, substitute, renewal, reissue and other applications for patent which have been or shall be filed in the United States and all foreign countries based on the Invention; all original, reissued and reexamined patents which have been or shall be issued in the United States and all foreign countries based on the Invention; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States:

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned:

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

IN WITNESS WHEREOF, I have hereunto signed my name on the day and year set forth below.

Jan a Evan	_ april 14, 2014
Inventor's Signature	DATE /
Gary A. Evans	
Inventor's Printed Name	
STATE OF	SS
COUNTY OF	
evidence to be the same individu	ersonally known by me or proved to me on the basis of satisfactory al who executed the foregoing assignment, and who acknowledged to e of his/her own free will for the use and purposes therein set forth.
	NOTARY PUBLIC
	My Commission Expires:

PATENT REEL: 050054 FRAME: 0638

IN WITHESS WHEREUF, I have no	reunto signed my name on the day and year set forth below.
(//buth	
Inventor's Signature	DATE & A
Jerome K. Butler	
Inventor's Printed Name	
STATE OF)	SS
COUNTY OF	33
evidence to be the same individual	before me personally came the above ersonally known by me or proved to me on the basis of satisfactory who executed the foregoing assignment, and who acknowledged to of his/her own free will for the use and purposes therein set forth.
	NOTARY PUBLIC My Commission Expires:
	1113 0011111100001 001301001
IN WITNESS WHEREOF, I have he	reunto signed my name on the day and year set forth below. <u>내 사용되다</u> DATE
Jay B. Kirk Inventor's Printed Name	········
miventor's Frinted Name	
STATE OF)	S S
COUNTY OF	
to be the same individual who exe	before me personally came the above y known by me or proved to me on the basis of satisfactory evidence cuted the foregoing assignment, and who acknowledged to me that rown free will for the use and purposes therein set forth.
	NOTARY PUBLIC My Commission Expires:

Assignment of Patent Application Serial No. 61/874,162 Attorney Docket No. SMU:1020

IN WITNESS WHEREOF, I have he	reunto signed my name on the day and year set forth below.
Inventor's Signature	04/04/2014 DATE
Ruo-Hua He	
Inventor's Printed Name	
STATE OF	•
COUNTY OF)	5
On this day of	, before me personally came the above
named Ruo-Hua He who is persona	lly known by me or proved to me on the basis of satisfactory evidence
to be the same individual who exe	cuted the foregoing assignment, and who acknowledged to me that own free will for the use and purposes therein set forth.
	NOTARY PUBLIC
	My Commission Expires:

PATENT REEL: 050054 FRAME: 0640

RECORDED: 08/14/2019