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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
VLADIMIR RAKSHA	12/07/2017
JOE GARCIA	12/07/2017
PAUL KOHLMANN	12/07/2017
ALBERTO ARGOITIA	12/07/2017
CAROLE THORAVAL	12/13/2017
ROBERT OBERTI	12/19/2017

RECEIVING PARTY DATA

Name:	VIAVI SOLUTIONS INC.
Street Address:	6001 AMERICA CENTER DRIVE
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95002

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15849558

CORRESPONDENCE DATA

Fax Number: (703)865-5150

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: 703-652-3821

ihebron@mannavakang.com Email: MANNAVA & KANG, PC **Correspondent Name:** 3201 JERMANTOWN ROAD Address Line 1:

Address Line 2: **SUITE 525**

Address Line 4: FAIRFAX, VIRGINIA 22030

ATTORNEY DOCKET NUMBER:	1095.0112US1
NAME OF SUBMITTER:	ASHOK K. MANNAVA
SIGNATURE:	/Ashok K. Mannava/
DATE SIGNED:	01/23/2018

Total Attachments: 5 source=Assignment 1095.0112US1#page1.tif source=Assignment 1095.0112US1#page2.tif source=Assignment 1095.0112US1#page3.tif

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ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, Vladimir RAKSHA, Santa Rosa, CA; Joe GARCIA, Santa Rosa, CA; Paul KOHLMANN, Windsor, CA; Alberto ARGOITIA, Santa Rosa, CA; Carole THORAVAL, Santa Rosa, CA; Robert OBERTI, Petaluma, CA; have sold, assigned and transferred, and do hereby sell, assign and transfer, unto VIAVI SOLUTIONS INC., a corporation of the State of CALIFORNIA, having its principal office in 430 North McCarthy Boulevard, Milpitas. CA 95035, US, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions relating to improvements in HYBRID COLORED METALLIC **PIGMENT** (Docket No. **1095.0112US1**), described, illustrated and claimed in an application for Letters Patent of the United States of America executed by us on the dates indicated by our signatures below, together with the entire right, title and interest in and to the application, and in and to Letters Patent which may be issued upon the application, and upon any division, extension, continuation or reissue thereof.

We hereby also sell, assign and transfer unto **VIAVI SOLUTIONS INC.**, the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and we further authorize **VIAVI SOLUTIONS INC.** to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

We hereby authorize and request the Commissioner of Patents of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation or reissue, to **VIAVI SOLUTIONS INC.**, for the sole use and benefit of **VIAVI SOLUTIONS INC.**, its successors, assigns and legal representatives, to the full end of the term for which Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and we hereby authorize and request the equivalent

authorities in foreign countries to issue the patents of their respective countries to **VIAVI SOLUTIONS INC.**.

We agree that, when requested, we will, without charge to **VIAVI SOLUTIONS INC.**, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the inventions in any and all countries and for vesting title thereto in **VIAVI SOLUTIONS INC.**, its successors, assigns and legal representatives or nominees.

We covenant with **VIAVI SOLUTIONS INC.**, its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

Vladimir RAKSHA	DATE: 12/07/2017
Lo Co	DATE: 12/07/2017
Joe GARCIA	DATE: 17 /07 (17)
Paul KOHLMANN	DATE: 12 07 17
Alberto ARGOITIA	DATE: 12 07 17

Howal.	DATE: 12/13/17
Carole THORAVAL	
	DATE:
Robert OBERTI	

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, Vladimir RAKSHA, Santa Rosa, CA; Joe GARCIA, Santa Rosa, CA; Paul KOHLMANN, Windsor, CA; Alberto ARGOITIA, Santa Rosa, CA; Carole THORAVAL, Santa Rosa, CA; Robert OBERTI, Petaluma, CA; have sold, assigned and transferred, and do hereby sell, assign and transfer, unto VIAVI SOLUTIONS INC., a corporation of the State of CALIFORNIA, having its principal office in 430 North McCarthy Boulevard, Milpitas, CA 95035, US, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions relating to improvements in HYBRID COLORED METALLIC PIGMENT (Docket No. 1095.0112US1), described, illustrated and claimed in an application for Letters Patent of the United States of America executed by us on the dates indicated by our signatures below, together with the entire right, title and interest in and to the application, and in and to Letters Patent which may be issued upon the application, and upon any division, extension, continuation or reissue thereof.

We hereby also sell, assign and transfer unto VIAVI SOLUTIONS INC., the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and we further authorize VIAVI SOLUTIONS INC. to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

We hereby authorize and request the Commissioner of Patents of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation or reissue, to VIAVI SOLUTIONS INC., for the sole use and benefit of VIAVI SOLUTIONS INC., its successors, assigns and legal representatives, to the full end of the term for which Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and we hereby authorize and request the equivalent

Carole THORAVAL	DATÉ	
POLICIO DE RETU	DATE: 12/19/17	

RECORDED: 01/23/2018

PATENT

REEL: 044704 FRAME: 0052