

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4029293

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
THOMAS J. CULLEN	04/04/2016
MARK A. LALIBERTE	04/04/2016
RAYMOND ZANONI	04/04/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ROCKWELL COLLINS, INC.
<b>Street Address:</b>	400 COLLINS ROAD NE
<b>Internal Address:</b>	ATTN: INTELLECTUAL PROPERTY DEPT, M/S 124-323
<b>City:</b>	CEDAR RAPIDS
<b>State/Country:</b>	IOWA
<b>Postal Code:</b>	52498
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15085707
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(402)496-0333
<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>Phone:</b>	402.496.0300
<b>Email:</b>	file@suiter.com
<b>Correspondent Name:</b>	ROCKWELL COLLINS, INC./SUITER SWANTZ SUI
<b>Address Line 1:</b>	14301 FNB PARKWAY
<b>Address Line 2:</b>	SUITE 220
<b>Address Line 4:</b>	OMAHA, NEBRASKA 68154
<b>ATTORNEY DOCKET NUMBER:</b>	16CR029
<b>NAME OF SUBMITTER:</b>	SHANE R. THIELEN
<b>SIGNATURE:</b>	/shane r thielen/
<b>DATE SIGNED:</b>	08/30/2016
<b>Total Attachments: 3</b>	
source=16CR029_Assignment#page1.tif	
source=16CR029_Assignment#page2.tif	



ASSIGNMENT OF INVENTION

WHEREAS, Thomas J. Cullen, of Ellicott City, County of HOWARD, and State of Maryland, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

ENVIRONMENTALLY ROBUST AND COMPACT MODE-LOCKED LASER

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 16CR029, in the patent files of the inventor's employer, ROCKWELL COLLINS, INC., and which invention is covered by a patent application, executed and filed concurrently herewith.

It is now agreed that, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said inventor has sold, assigned and transferred and by these presents does sell, assign and transfer unto ROCKWELL COLLINS, INC., the entire right; title and interest in and to said invention in and to said application, for the territory of the United States of America and for all foreign countries; said invention and application to be held and enjoyed by the said ROCKWELL COLLINS, INC., for its own use and for the use of its successors and assigns, to the full end of the term for which Letters Patent on same will be granted, as fully and entirely as the same would have been held by said inventor had this Assignment and sale not been made.

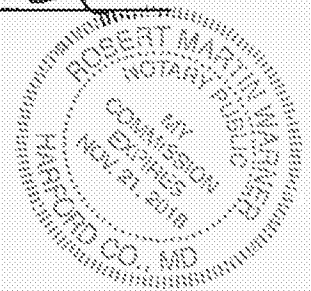
FURTHER, said inventor hereby agrees to sign all lawful papers necessary or helpful in obtaining patents, whether U.S. or foreign, on said invention or filing any divisional, continuation, substitution, or reissue application on said invention.

Executed at ELKRIDGE, County of HOWARD and State of MARYLAND, this 4TH day of APRIL, 2016.

*Thomas J. Cullen*

Thomas J. Cullen

State of MD )  
County of HOWARD )



On this 4 day of APRIL, 2016, before me personally appeared Thomas J. Cullen to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

Notary Public: Robert Wainwright  
My Commission Expires: \_\_\_\_\_  
Commission Number: \_\_\_\_\_

(Seal)

ASSIGNMENT OF INVENTION

WHEREAS, Mark A. Laliberte, of Columbia, County of Howard, and State of Maryland, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

ENVIRONMENTALLY ROBUST AND COMPACT MODE-LOCKED LASER

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 16CR029, in the patent files of the inventor's employer, ROCKWELL COLLINS, INC., and which invention is covered by a patent application, executed and filed concurrently herewith.

It is now agreed that, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said inventor has sold, assigned and transferred and by these presents does sell, assign and transfer unto ROCKWELL COLLINS, INC., the entire right, title and interest in and to said invention in and to said application, for the territory of the United States of America and for all foreign countries; said invention and application to be held and enjoyed by the said ROCKWELL COLLINS, INC., for its own use and for the use of its successors and assigns, to the full end of the term for which Letters Patent on same will be granted, as fully and entirely as the same would have been held by said inventor had this Assignment and sale not been made.

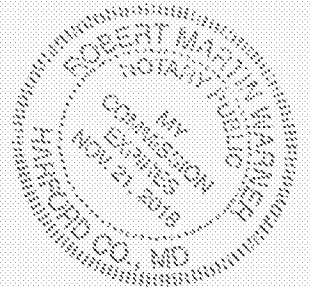
FURTHER, said inventor hereby agrees to sign all lawful papers necessary or helpful in obtaining patents, whether U.S. or foreign, on said invention or filing any divisional, continuation, substitution, or reissue application on said invention.

Executed at Elkridge, County of Howard and State of Maryland, this 4th day of April, 2016.

Mark A. Laliberte

Mark A. Laliberte

State of MD )  
County of Howard )



On this 4 day of April, 2016, before me personally appeared Mark A. Laliberte to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

Notary Public: Robert Wenzel  
My Commission Expires: \_\_\_\_\_  
Commission Number: \_\_\_\_\_

(Seal)

ASSIGNMENT OF INVENTION

WHEREAS, Raymond Zanoni, of Columbia, County of Howard, and State of Maryland, hereinafter sometimes referred to as "said inventor", has invented certain new and useful improvements in

ENVIRONMENTALLY ROBUST AND COMPACT MODE-LOCKED LASER

which invention or inventions (hereinafter referred to as "inventions") have been disclosed to and filed, under Docket No. 16CR029, in the patent files of the inventor's employer, ROCKWELL COLLINS, INC., and which invention is covered by a patent application, executed and filed concurrently herewith.

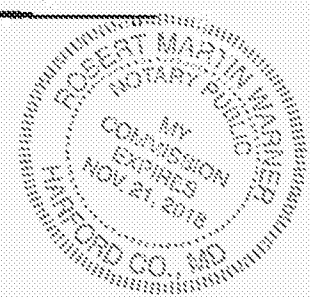
It is now agreed that, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said inventor has sold, assigned and transferred and by these presents does sell, assign and transfer unto ROCKWELL COLLINS, INC., the entire right, title and interest in and to said invention in and to said application, for the territory of the United States of America and for all foreign countries; said invention and application to be held and enjoyed by the said ROCKWELL COLLINS, INC., for its own use and for the use of its successors and assigns, to the full end of the term for which Letters Patent on same will be granted, as fully and entirely as the same would have been held by said inventor had this Assignment and sale not been made.

FURTHER, said inventor hereby agrees to sign all lawful papers necessary or helpful in obtaining patents, whether U.S. or foreign, on said invention or filing any divisional, continuation, substitution, or reissue application on said invention.

Executed at Elkridge, County of Howard and State of Maryland, this 4<sup>th</sup> day of April, 2016.

[Signature]  
Raymond Zanoni

State of MD )  
County of Howard )



On this 4 day of April, 2016, before me personally appeared Raymond Zanoni to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same.

Notary Public: [Signature]  
My Commission Expires: \_\_\_\_\_  
Commission Number: \_\_\_\_\_

(Seal)

PATENT