

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7178767

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
EHSAN FALLAHMOHAMMADI	06/24/2020
CLINT NICHOLAUS ANDERSON	06/24/2020
BRIAN G. RISCH	06/17/2020
ANDREA TERRY	09/29/2020
JOHN R. SACH	07/07/2020
JEFFREY SCOTT BARKER	07/31/2020
RYAN TRUONG	07/02/2020
RECEIVING PARTY DATA	
Name:	PRYSMIAN S.P.A.
Street Address:	VIA CHIESE 6
City:	MILAN
State/Country:	ITALY
Postal Code:	20126
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17591866
CORRESPONDENCE DATA	
Fax Number:	(704)945-6735
<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>	
Phone:	704-945-6700
Email:	docket@apwlaw.us
Correspondent Name:	ADDITON, PENDLETON & WITHERSPOON, P.A.
Address Line 1:	P.O. BOX 567
Address Line 4:	MONROE, NORTH CAROLINA 28111
ATTORNEY DOCKET NUMBER:	9300.011US4
NAME OF SUBMITTER:	RICHARD L. ADDITON
SIGNATURE:	/Richard L. Additon/
DATE SIGNED:	02/16/2022

Total Attachments: 29

source=AssignmentsUSPTO#page1.tif
source=AssignmentsUSPTO#page2.tif
source=AssignmentsUSPTO#page3.tif
source=AssignmentsUSPTO#page4.tif
source=AssignmentsUSPTO#page5.tif
source=AssignmentsUSPTO#page6.tif
source=AssignmentsUSPTO#page7.tif
source=AssignmentsUSPTO#page8.tif
source=AssignmentsUSPTO#page9.tif
source=AssignmentsUSPTO#page10.tif
source=AssignmentsUSPTO#page11.tif
source=AssignmentsUSPTO#page12.tif
source=AssignmentsUSPTO#page13.tif
source=AssignmentsUSPTO#page14.tif
source=AssignmentsUSPTO#page15.tif
source=AssignmentsUSPTO#page16.tif
source=AssignmentsUSPTO#page17.tif
source=AssignmentsUSPTO#page18.tif
source=AssignmentsUSPTO#page19.tif
source=AssignmentsUSPTO#page20.tif
source=AssignmentsUSPTO#page21.tif
source=AssignmentsUSPTO#page22.tif
source=AssignmentsUSPTO#page23.tif
source=AssignmentsUSPTO#page24.tif
source=AssignmentsUSPTO#page25.tif
source=AssignmentsUSPTO#page26.tif
source=AssignmentsUSPTO#page27.tif
source=AssignmentsUSPTO#page28.tif
source=AssignmentsUSPTO#page29.tif

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

EHSAN FALLAHMOHAMMADI
CLINT NICHOLAUS ANDERSON
BRIAN G. RISCH
ANDREA TERRY
JOHN R. SACH
JEFFREY SCOTT BARKER
RYAN TRUONG

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 09/24/2020; 09/24/2020; 05/17/2020; 09/26/2020
07/07/2020; 07/31/2020; 07/02/2020

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Prysmian S.p.A.

Internal Address: _____

Street Address: Via Chiese 6

City: Milan

State: _____

Country: Italy Zip: 20126

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

17/591,866

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Additon, Pendleton & Witherspoon, P.A.

Internal Address: _____

Street Address: P.O. Box 567

City: Monroe

State: NC Zip: 28111

Phone Number: 704-945-6700

Fax Number: 704-945-6735

Email Address: _____

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ _____

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number _____

Authorized User Name _____

9. Signature: /Richard L. Additon/

February 16, 2022

Richard L. Additon

Signature

Date

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

29

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

WHEREAS, I, Ehsan Fallahmohammadi, an Iranian citizen, residing at Columbia, South Carolina (hereinafter referred to as "ASSIGNOR"), am an inventor of certain new and useful improvements (hereinafter collectively referred to as "INVENTION") in *FLEXIBLE OPTICAL-FIBER RIBBON*, for which U.S. Non-Provisional Patent Application No. 16/856,268 was filed April 23, 2020, (hereinafter referred to as "CIP NON-PROVISIONAL APPLICATION"), which is a continuation-in-part application of U.S. Non-Provisional Patent Application No. 16/247,008, filed January 14, 2019, (hereinafter referred to as "PARENT NON-PROVISIONAL APPLICATION"), which itself claims the benefit of International Application No. PCT/EP2018/050899, filed January 15, 2018, (hereinafter referred to as "INTERNATIONAL APPLICATION"); and

WHEREAS, Pryamian S.p.A., an Italian corporation (hereinafter referred to as "ASSIGNEE"), having a principal place of business at Via Chiese 6, Milan, Italy, has acquired the equitable right, title, and interest — and is desirous of acquiring any remaining right, title, and interest — in and to said INVENTION as described in said CIP NON-PROVISIONAL APPLICATION, and in and to any and all Letters Patent that shall be granted with respect to said INVENTION in the United States of America and all other countries;

NOW, THEREFORE, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, have sold, assigned, transferred, and conveyed unto said ASSIGNEE, its successors and assigns, my equitable right, title, and interest — and by these presents do hereby sell, assign, transfer, and convey unto said ASSIGNEE, its successors and assigns any remaining right, title, and

interest — in and to said INVENTION, in and to said CIP NON-PROVISIONAL APPLICATION, in and to any and all other non-provisional, international, and foreign applications (including continuations, continuations-in-part, or divisions thereof) claiming benefit of one or more filing dates of said INTERNATIONAL APPLICATION, said PARENT NON-PROVISIONAL APPLICATION, and/or said CIP NON-PROVISIONAL APPLICATION, together with the right to claim the priority of said INTERNATIONAL APPLICATION, the priority of said PARENT NON-PROVISIONAL APPLICATION, and the priority of said NON-PROVISIONAL APPLICATION in the United States of America and in all foreign countries in accordance with international treaties and conventions, and in and to any and all Letters Patent of the United States of America and all other countries (or reissues, reexaminations, or extensions thereof) that may be granted therefore or thereon, for the full term for which said Letters Patent may be granted, the same to be held and enjoyed by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if an assignment and sale had not been made.

I acknowledge that at the time said INVENTION was made, said INVENTION was owned by or subject to an obligation of assignment to said ASSIGNEE. I further acknowledge that said ASSIGNEE, its successors and assigns have the sole right to determine patent prosecution strategies with respect to said INVENTION and all corresponding applications, and hereby request that Letters Patent be issued in accordance with this assignment. I further acknowledge and agree that this assignment includes any and all past, present, and future claims against third parties in connection with any of the rights assigned by this assignment to said ASSIGNEE.

I further covenant and agree to bind my heirs, legal representatives, and assigns, to communicate promptly to said ASSIGNEE or its representatives any facts known to me relating to said INVENTION, to testify in any interference or legal proceedings involving said INVENTION, to execute any additional papers, make all rightful oaths, and do all other lawful acts that may be requested to confirm the right of said ASSIGNEE, its successors and assigns to secure patent or similar protection for said INVENTION in all countries and to vest in said ASSIGNEE complete title to said INVENTION and Letters Patent, without further compensation, but at the expense of said ASSIGNEE, its successors and assigns.

Furthermore, I, Ehsan Fallahmohammadi, hereby declare the following: (i) U.S. Non-Provisional Patent Application No. 16/856,268, filed April 23, 2020, was made or authorized to be made by me; (ii) I believe that I am the original inventor or an original joint inventor of a claimed invention in U.S. Non-Provisional Patent Application No. 16/856,268; and (iii) I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.

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

Executed this 24 day of June 2020.

[Signature]
EHSAN FALLAHMOHAMMADI

STATE OF South Carolina
COUNTY OF Lexington

Before me personally appeared said Ehsan Fallahmohammadi
and acknowledged the foregoing instrument to be his free act and
deed this 24th day of June 2020.

[Signature]
Notary Public

Denise Washington
Printed Name

My commission expires: 07/12/2023

SEAL



ASSIGNMENT

WHEREAS, I, Clint Nicholas Anderson, a U.S. citizen, residing at West Columbia, South Carolina (hereinafter referred to as "ASSIGNOR"), am an inventor of certain new and useful improvements (hereinafter collectively referred to as "INVENTION") in *FLEXIBLE OPTICAL-FIBER RIBBON*, for which U.S. Non-Provisional Patent Application No. 16/856,268 was filed April 23, 2020, (hereinafter referred to as "CIP NON-PROVISIONAL APPLICATION"), which is a continuation-in-part application of U.S. Non-Provisional Patent Application No. 16/247,008, filed January 14, 2019, (hereinafter referred to as "PARENT NON-PROVISIONAL APPLICATION"), which itself claims the benefit of International Application No. PCT/EP2018/030899, filed January 15, 2018, (hereinafter referred to as "INTERNATIONAL APPLICATION"); and

WHEREAS, Prysmian S.p.A., an Italian corporation (hereinafter referred to as "ASSIGNEE"), having a principal place of business at Via Chiese 6, Milan, Italy, has acquired the equitable right, title, and interest — and is desirous of acquiring any remaining right, title, and interest — in and to said INVENTION as described in said CIP NON-PROVISIONAL APPLICATION, and in and to any and all Letters Patent that shall be granted with respect to said INVENTION in the United States of America and all other countries;

NOW, THEREFORE, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, have sold, assigned, transferred, and conveyed unto said ASSIGNEE, its successors and assigns, my equitable right, title, and interest — and by these presents do hereby sell, assign, transfer, and convey unto said ASSIGNEE, its successors and assigns any remaining right, title, and

interest --- in and to said INVENTION, in and to said CIP NON-PROVISIONAL APPLICATION, in and to any and all other non-provisional, international, and foreign applications (including continuations, continuations-in-part, or divisions thereof) claiming benefit of one or more filing dates of said INTERNATIONAL APPLICATION, said PARENT NON-PROVISIONAL APPLICATION, and/or said CIP NON-PROVISIONAL APPLICATION, together with the right to claim the priority of said INTERNATIONAL APPLICATION, the priority of said PARENT NON-PROVISIONAL APPLICATION, and the priority of said NON-PROVISIONAL APPLICATION in the United States of America and in all foreign countries in accordance with international treaties and conventions, and in and to any and all Letters Patent of the United States of America and all other countries (or reissues, reexaminations, or extensions thereof) that may be granted therefore or thereon, for the full term for which said Letters Patent may be granted, the same to be held and enjoyed by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if an assignment and sale had not been made.

I acknowledge that at the time said INVENTION was made, said INVENTION was owned by or subject to an obligation of assignment to said ASSIGNEE. I further acknowledge that said ASSIGNEE, its successors and assigns have the sole right to determine patent prosecution strategies with respect to said INVENTION and all corresponding applications, and hereby request that Letters Patent be issued in accordance with this assignment. I further acknowledge and agree that this assignment includes any and all past, present, and future claims against third parties in connection with any of the rights assigned by this assignment to said ASSIGNEE.

I further covenant and agree to bind my heirs, legal representatives, and assigns, to communicate promptly to said ASSIGNEE or its representatives any facts known to me relating to said INVENTION, to testify in any interference or legal proceedings involving said INVENTION, to execute any additional papers, make all rightful oaths, and do all other lawful acts that may be requested to confirm the right of said ASSIGNEE, its successors and assigns to secure patent or similar protection for said INVENTION in all countries and to vest in said ASSIGNEE complete title to said INVENTION and Letters Patent, without further compensation, but at the expense of said ASSIGNEE, its successors and assigns.

Furthermore, I, Clint Nicholas Anderson, hereby declare the following: (i) U.S. Non-Provisional Patent Application No. 16/856,268, filed April 23, 2020, was made or authorized to be made by me; (ii) I believe that I am the original inventor or an original joint inventor of a claimed invention in U.S. Non-Provisional Patent Application No. 16/856,268; and (iii) I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.

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

Executed this 24TH day of JUNE 2020.


CLINT NICHOLAUS ANDERSON

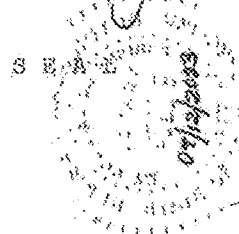
STATE OF South Carolina
COUNTY OF Lexington

Before me personally appeared said Clint Nicholas Anderson
and acknowledged the foregoing instrument to be his free act and
deed this 24TH day of June 2020.


Notary Public


Printed Name

My commission expires: 07/12/2023



ASSIGNMENT

WHEREAS, I, Brian G. Risch, a U.S. citizen, residing at Granite Falls, North Carolina (hereinafter referred to as "ASSIGNOR"), am an inventor of certain new and useful improvements (hereinafter collectively referred to as "INVENTION") in *FLEXIBLE OPTICAL-FIBER RIBBON*, for which U.S. Non-Provisional Patent Application No. 16/856,268 was filed April 23, 2020, (hereinafter referred to as "CIP NON-PROVISIONAL APPLICATION"), which is a continuation-in-part application of U.S. Non-Provisional Patent Application No. 16/247,008, filed January 14, 2019, (hereinafter referred to as "PARENT NON-PROVISIONAL APPLICATION"), which itself claims the benefit of International Application No. PCT/EP2018/050899, filed January 15, 2018, (hereinafter referred to as "INTERNATIONAL APPLICATION"); and

WHEREAS, Prysmian S.p.A., an Italian corporation (hereinafter referred to as "ASSIGNEE"), having a principal place of business at Via Chiesa 6, Milan, Italy, has acquired the equitable right, title, and interest — and is desirous of acquiring any remaining right, title, and interest — in and to said INVENTION as described in said CIP NON-PROVISIONAL APPLICATION, and in and to any and all Letters Patent that shall be granted with respect to said INVENTION in the United States of America and all other countries;

NOW, THEREFORE, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, have sold, assigned, transferred, and conveyed unto said ASSIGNEE, its successors and assigns, my equitable right, title, and interest — and by these presents do hereby sell, assign, transfer, and convey unto said ASSIGNEE, its successors and assigns any remaining right, title, and

interest — in and to said INVENTION, in and to said CIP NON-PROVISIONAL APPLICATION, in and to any and all other non-provisional, international, and foreign applications (including continuations, continuations-in-part, or divisions thereof) claiming benefit of one or more filing dates of said INTERNATIONAL APPLICATION, said PARENT NON-PROVISIONAL APPLICATION, and/or said CIP NON-PROVISIONAL APPLICATION, together with the right to claim the priority of said INTERNATIONAL APPLICATION, the priority of said PARENT NON-PROVISIONAL APPLICATION, and the priority of said NON-PROVISIONAL APPLICATION in the United States of America and in all foreign countries in accordance with international treaties and conventions, and in and to any and all Letters Patent of the United States of America and all other countries (or reissues, reexaminations, or extensions thereof) that may be granted therefore or thereon, for the full term for which said Letters Patent may be granted, the same to be held and enjoyed by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if an assignment and sale had not been made.

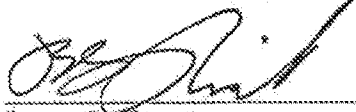
I acknowledge that at the time said INVENTION was made, said INVENTION was owned by or subject to an obligation of assignment to said ASSIGNEE. I further acknowledge that said ASSIGNEE, its successors and assigns have the sole right to determine patent prosecution strategies with respect to said INVENTION and all corresponding applications, and hereby request that Letters Patent be issued in accordance with this assignment. I further acknowledge and agree that this assignment includes any and all past, present, and future claims against third parties in connection with any of the rights assigned by this assignment to said ASSIGNEE.

I further covenant and agree to bind my heirs, legal representatives, and assigns, to communicate promptly to said ASSIGNEE or its representatives any facts known to me relating to said INVENTION, to testify in any interference or legal proceedings involving said INVENTION, to execute any additional papers, make all rightful oaths, and do all other lawful acts that may be requested to confirm the right of said ASSIGNEE, its successors and assigns to secure patent or similar protection for said INVENTION in all countries and to vest in said ASSIGNEE complete title to said INVENTION and Letters Patent, without further compensation, but at the expense of said ASSIGNEE, its successors and assigns.

Furthermore, I, Brian G. Risch, hereby declare the following: (i) U.S. Non-Provisional Patent Application No. 16/856,268, filed April 23, 2020, was made or authorized to be made by me; (ii) I believe that I am the original inventor or an original joint inventor of a claimed invention in U.S. Non-Provisional Patent Application No. 16/856,268; and (iii) I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.

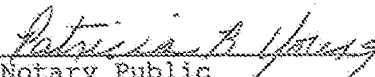
IN WITNESS WHEREOF, I have hereunto signed my name on the
day and year set forth below.

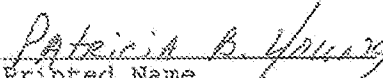
Executed this 17 day of June 2020.


BRIAN G. RISCH

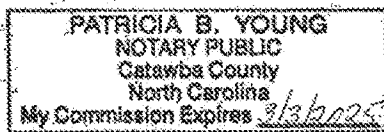
STATE OF North Carolina
COUNTY OF Catawba

Before me personally appeared said Brian G. Risch and
acknowledged the foregoing instrument to be his free act and
deed this 17th day of June 2020.


Notary Public


Printed Name

My commission expires: 3/3/2025 S E A L



ASSIGNMENT

WHEREAS, I, Andrea Terry, a U.S. citizen, residing at Charlotte, North Carolina (hereinafter referred to as "ASSIGNOR"), am an inventor of certain new and useful improvements (hereinafter collectively referred to as "INVENTION") in *FLEXIBLE OPTICAL-FIBER RIBBON*, for which U.S. Non-Provisional Patent Application No. 16/856,268 was filed April 23, 2020, (hereinafter referred to as "CIP NON-PROVISIONAL APPLICATION"), which is a continuation-in-part application of U.S. Non-Provisional Patent Application No. 16/247,008, filed January 14, 2019, (hereinafter referred to as "PARENT NON-PROVISIONAL APPLICATION"), which itself claims the benefit of International Application No. PCT/EP2019/050899, filed January 15, 2019, (hereinafter referred to as "INTERNATIONAL APPLICATION"); and

WHEREAS, Frysmian S.p.A., an Italian corporation (hereinafter referred to as "ASSIGNEE"), having a principal place of business at Via Chiese 6, Milan, Italy, has acquired the equitable right, title, and interest — and is desirous of acquiring any remaining right, title, and interest — in and to said INVENTION as described in said CIP NON-PROVISIONAL APPLICATION, and in and to any and all Letters Patent that shall be granted with respect to said INVENTION in the United States of America and all other countries;

NOW, THEREFORE, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, have sold, assigned, transferred, and conveyed unto said ASSIGNEE, its successors and assigns, my equitable right, title, and interest — and by these presents do hereby sell, assign, transfer, and convey unto said ASSIGNEE, its successors and assigns any remaining right, title, and

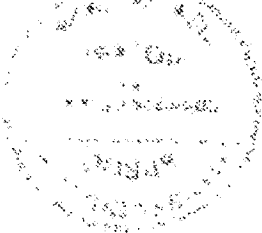
interest — in and to said INVENTION, in and to said CIP NON-PROVISIONAL APPLICATION, in and to any and all other non-provisional, international, and foreign applications (including continuations, continuations-in-part, or divisions thereof) claiming benefit of one or more filing dates of said INTERNATIONAL APPLICATION, said PARENT NON-PROVISIONAL APPLICATION, and/or said CIP NON-PROVISIONAL APPLICATION, together with the right to claim the priority of said INTERNATIONAL APPLICATION, the priority of said PARENT NON-PROVISIONAL APPLICATION, and the priority of said NON-PROVISIONAL APPLICATION in the United States of America and in all foreign countries in accordance with international treaties and conventions, and in and to any and all Letters Patent of the United States of America and all other countries (or reissues, reexaminations, or extensions thereof) that may be granted therefore or thereon, for the full term for which said Letters Patent may be granted, the same to be held and enjoyed by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if an assignment and sale had not been made.

I acknowledge that at the time said INVENTION was made, said INVENTION was owned by or subject to an obligation of assignment to said ASSIGNEE. I further acknowledge that said ASSIGNEE, its successors and assigns have the sole right to determine patent prosecution strategies with respect to said INVENTION and all corresponding applications, and hereby request that Letters Patent be issued in accordance with this assignment. I further acknowledge and agree that this assignment includes any and all past, present, and future claims against third parties in connection with any of the rights assigned by this assignment to said ASSIGNEE.

I further covenant and agree to bind my heirs, legal representatives, and assigns, to communicate promptly to said ASSIGNEE or its representatives any facts known to me relating to said INVENTION, to testify in any interference or legal proceedings involving said INVENTION, to execute any additional papers, make all rightful oaths, and do all other lawful acts that may be requested to confirm the right of said ASSIGNEE, its successors and assigns to secure patent or similar protection for said INVENTION in all countries and to vest in said ASSIGNEE complete title to said INVENTION and Letters Patent, without further compensation, but at the expense of said ASSIGNEE, its successors and assigns.

Furthermore, I, Andrea Terry, hereby declare the following:

- (i) U.S. Non-Provisional Patent Application No. 16/856,268, filed April 23, 2020, was made or authorized to be made by me;
- (ii) I believe that I am the original inventor or an original joint inventor of a claimed invention in U.S. Non-Provisional Patent Application No. 16/856,268; and (iii) I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.



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

Executed this 29th day of September 2020.

Andrea Terry
ANDREA TERRY

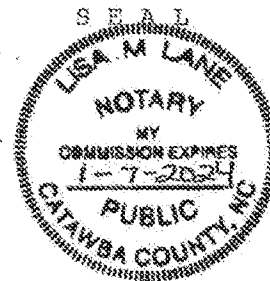
STATE OF North Carolina
COUNTY OF Catawba.

Before me personally appeared said Andrea Terry and
acknowledged the foregoing instrument to be his free act and
deed this 29th day of September 2020.

Lisa M Lane
Notary Public

Lisa M Lane
Printed Name

My commission expires: January 7, 2024



ASSIGNMENT

WHEREAS, I, John R. Sach, a U.K. citizen, residing at Chapin, South Carolina (hereinafter referred to as "ASSIGNOR"), am an inventor of certain new and useful improvements (hereinafter collectively referred to as "INVENTION") in FLEXIBLE OPTICAL-FIBER RIBBON, for which U.S. Non-Provisional Patent Application No. 16/856,268 was filed April 23, 2020, (hereinafter referred to as "CIP NON-PROVISIONAL APPLICATION"), which is a continuation-in-part application of U.S. Non-Provisional Patent Application No. 16/247,008, filed January 14, 2019, (hereinafter referred to as "PARENT NON-PROVISIONAL APPLICATION"), which itself claims the benefit of International Application No. PCT/EP2018/050899, filed January 15, 2018, (hereinafter referred to as "INTERNATIONAL APPLICATION"); and

WHEREAS, Pryemian S.p.A., an Italian corporation (hereinafter referred to as "ASSIGNEE"), having a principal place of business at Via Chiese 6, Milan, Italy, has acquired the equitable right, title, and interest — and is desirous of acquiring any remaining right, title, and interest — in and to said INVENTION as described in said CIP NON-PROVISIONAL APPLICATION, and in and to any and all Letters Patent that shall be granted with respect to said INVENTION in the United States of America and all other countries;

NOW, THEREFORE, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, have sold, assigned, transferred, and conveyed unto said ASSIGNEE, its successors and assigns, my equitable right, title, and interest — and by these presents do hereby sell, assign, transfer, and convey unto said ASSIGNEE, its successors and assigns any remaining right, title, and

interest --- in and to said INVENTION, in and to said CIP NON-PROVISIONAL APPLICATION, in and to any and all other non-provisional, international, and foreign applications (including continuations, continuations-in-part, or divisions thereof) claiming benefit of one or more filing dates of said INTERNATIONAL APPLICATION, said PARENT NON-PROVISIONAL APPLICATION, and/or said CIP NON-PROVISIONAL APPLICATION, together with the right to claim the priority of said INTERNATIONAL APPLICATION, the priority of said PARENT NON-PROVISIONAL APPLICATION, and the priority of said NON-PROVISIONAL APPLICATION in the United States of America and in all foreign countries in accordance with international treaties and conventions, and in and to any and all Letters Patent of the United States of America and all other countries (or reissues, reexaminations, or extensions thereof) that may be granted therefore or thereon, for the full term for which said Letters Patent may be granted, the same to be held and enjoyed by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if an assignment and sale had not been made.

I acknowledge that at the time said INVENTION was made, said INVENTION was owned by or subject to an obligation of assignment to said ASSIGNEE. I further acknowledge that said ASSIGNEE, its successors and assigns have the sole right to determine patent prosecution strategies with respect to said INVENTION and all corresponding applications, and hereby request that Letters Patent be issued in accordance with this assignment. I further acknowledge and agree that this assignment includes any and all past, present, and future claims against third parties in connection with any of the rights assigned by this assignment to said ASSIGNEE.

I further covenant and agree to bind my heirs, legal representatives, and assigns, to communicate promptly to said ASSIGNEE or its representatives any facts known to me relating to said INVENTION, to testify in any interference or legal proceedings involving said INVENTION, to execute any additional papers, make all rightful oaths, and do all other lawful acts that may be requested to confirm the right of said ASSIGNEE, its successors and assigns to secure patent or similar protection for said INVENTION in all countries and to vest in said ASSIGNEE complete title to said INVENTION and Letters Patent, without further compensation, but at the expense of said ASSIGNEE, its successors and assigns.

Furthermore, I, John R. Sach, hereby declare the following:

(i) U.S. Non-Provisional Patent Application No. 16/856,268, filed April 23, 2020, was made or authorized to be made by me; (ii) I believe that I am the original inventor or an original joint inventor of a claimed invention in U.S. Non-Provisional Patent Application No. 16/856,268; and (iii) I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.

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

Executed this 3rd day of July 2020.

JR Sach
JOHN R. SACH

STATE OF South Carolina
COUNTY OF Lexington

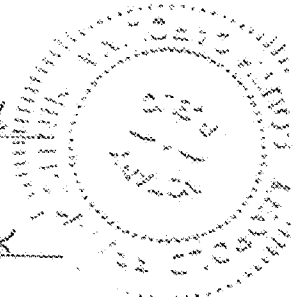
Before me personally appeared said John R. Sach and
acknowledged the foregoing instrument to be his free act and
deed this 7th day of July 2020.

Leopold Frank Sitnik
Notary Public

LEOPOLD FRANK SITNIK
Printed Name

My commission expires: 2028

SEAL



ASSIGNMENT

WHEREAS, I, Jeffrey Scott Barker, a U.S. citizen, residing at Statesville, North Carolina (hereinafter referred to as "ASSIGNOR"), am an inventor of certain new and useful improvements (hereinafter collectively referred to as "INVENTION") in *FLEXIBLE OPTICAL-FIBER RIBBON*, for which U.S. Non-Provisional Patent Application No. 16/856,268 was filed April 23, 2020, (hereinafter referred to as "CIP NON-PROVISIONAL APPLICATION"), which is a continuation-in-part application of U.S. Non-Provisional Patent Application No. 16/247,008, filed January 14, 2019, (hereinafter referred to as "PARENT NON-PROVISIONAL APPLICATION"), which itself claims the benefit of International Application No. PCT/EP2018/050899, filed January 15, 2018, (hereinafter referred to as "INTERNATIONAL APPLICATION"); and

WHEREAS, Prysmian S.p.A., an Italian corporation (hereinafter referred to as "ASSIGNEE"), having a principal place of business at Via Chiese 6, Milan, Italy, has acquired the equitable right, title, and interest — and is desirous of acquiring any remaining right, title, and interest — in and to said INVENTION as described in said CIP NON-PROVISIONAL APPLICATION, and in and to any and all Letters Patent that shall be granted with respect to said INVENTION in the United States of America and all other countries;

NOW, THEREFORE, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, have sold, assigned, transferred, and conveyed unto said ASSIGNEE, its successors and assigns, my equitable right, title, and interest — and by these presents do hereby sell, assign, transfer, and convey unto said ASSIGNEE, its successors and assigns any remaining right, title, and

interest — in and to said INVENTION, in and to said CIP NON-PROVISIONAL APPLICATION, in and to any and all other non-provisional, international, and foreign applications (including continuations, continuations-in-part, or divisions thereof) claiming benefit of one or more filing dates of said INTERNATIONAL APPLICATION, said PARENT NON-PROVISIONAL APPLICATION, and/or said CIP NON-PROVISIONAL APPLICATION, together with the right to claim the priority of said INTERNATIONAL APPLICATION, the priority of said PARENT NON-PROVISIONAL APPLICATION, and the priority of said NON-PROVISIONAL APPLICATION in the United States of America and in all foreign countries in accordance with international treaties and conventions, and in and to any and all Letters Patent of the United States of America and all other countries (or reissues, reexaminations, or extensions thereof) that may be granted therefore or thereon, for the full term for which said Letters Patent may be granted, the same to be held and enjoyed by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if an assignment and sale had not been made.

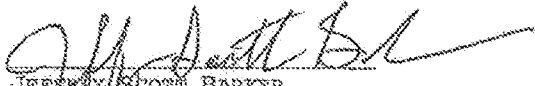
I acknowledge that at the time said INVENTION was made, said INVENTION was owned by or subject to an obligation of assignment to said ASSIGNEE. I further acknowledge that said ASSIGNEE, its successors and assigns have the sole right to determine patent prosecution strategies with respect to said INVENTION and all corresponding applications, and hereby request that Letters Patent be issued in accordance with this assignment. I further acknowledge and agree that this assignment includes any and all past, present, and future claims against third parties in connection with any of the rights assigned by this assignment to said ASSIGNEE.

I further covenant and agree to bind my heirs, legal representatives, and assigns, to communicate promptly to said ASSIGNEE or its representatives any facts known to me relating to said INVENTION, to testify in any interference or legal proceedings involving said INVENTION, to execute any additional papers, make all rightful oaths, and do all other lawful acts that may be requested to confirm the right of said ASSIGNEE, its successors and assigns to secure patent or similar protection for said INVENTION in all countries and to vest in said ASSIGNEE complete title to said INVENTION and Letters Patent, without further compensation, but at the expense of said ASSIGNEE, its successors and assigns.

Furthermore, I, Jeffrey Scott Barker, hereby declare the following: (i) U.S. Non-Provisional Patent Application No. 16/856,268, filed April 23, 2020, was made or authorized to be made by me; (ii) I believe that I am the original inventor or an original joint inventor of a claimed invention in U.S. Non-Provisional Patent Application No. 16/856,268; and (iii) I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.

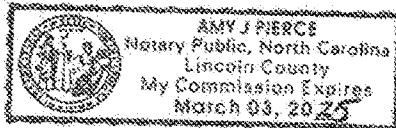
IN WITNESS WHEREOF, I have hereunto signed my name on the
day and year set forth below.

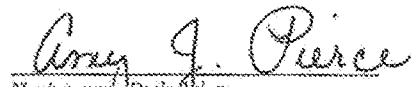
Executed this 31 day of July 2020.


JEFFREY SCOTT BARKER

STATE OF NORTH CAROLINA
COUNTY OF CATAWBA

Before me personally appeared said Jeffrey Scott Barker and
acknowledged the foregoing instrument to be his free act and
deed this 31st day of July 2020.




Notary Public

Amy J. Pierce
Printed Name

My commission expires: March 3, 2025 S E A L

ASSIGNMENT

WHEREAS, I, Ryan Truong, a U.S. citizen, residing at Hickory, North Carolina (hereinafter referred to as "ASSIGNOR"), am an inventor of certain new and useful improvements (hereinafter collectively referred to as "INVENTION") in FLEXIBLE OPTICAL-FIBER RIBBON, for which U.S. Non-Provisional Patent Application No. 16/856,268 was filed April 23, 2020, (hereinafter referred to as "CIP NON-PROVISIONAL APPLICATION"), which is a continuation-in-part application of U.S. Non-Provisional Patent Application No. 16/247,008, filed January 14, 2019, (hereinafter referred to as "PARENT NON-PROVISIONAL APPLICATION"), which itself claims the benefit of International Application No. PCT/EP2018/050899, filed January 15, 2018, (hereinafter referred to as "INTERNATIONAL APPLICATION"); and

WHEREAS, Prysmian S.p.A., an Italian corporation (hereinafter referred to as "ASSIGNEE"), having a principal place of business at Via Chiese 6, Milan, Italy, has acquired the equitable right, title, and interest — and is desirous of acquiring any remaining right, title, and interest — in and to said INVENTION as described in said CIP NON-PROVISIONAL APPLICATION, and in and to any and all Letters Patent that shall be granted with respect to said INVENTION in the United States of America and all other countries;

NOW, THEREFORE, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, have sold, assigned, transferred, and conveyed unto said ASSIGNEE, its successors and assigns, my equitable right, title, and interest — and by these presents do hereby sell, assign, transfer, and convey unto said ASSIGNEE, its successors and assigns any remaining right, title, and

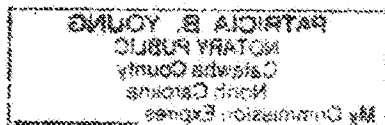
interest — in and to said INVENTION, in and to said CIP NON-PROVISIONAL APPLICATION, in and to any and all other non-provisional, international, and foreign applications (including continuations, continuations-in-part, or divisions thereof) claiming benefit of one or more filing dates of said INTERNATIONAL APPLICATION, said PARENT NON-PROVISIONAL APPLICATION, and/or said CIP NON-PROVISIONAL APPLICATION, together with the right to claim the priority of said INTERNATIONAL APPLICATION, the priority of said PARENT NON-PROVISIONAL APPLICATION, and the priority of said NON-PROVISIONAL APPLICATION in the United States of America and in all foreign countries in accordance with international treaties and conventions, and in and to any and all Letters Patent of the United States of America and all other countries (or reissues, reexaminations, or extensions thereof) that may be granted therefore or thereon, for the full term for which said Letters Patent may be granted, the same to be held and enjoyed by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if an assignment and sale had not been made.

I acknowledge that at the time said INVENTION was made, said INVENTION was owned by or subject to an obligation of assignment to said ASSIGNEE. I further acknowledge that said ASSIGNEE, its successors and assigns have the sole right to determine patent prosecution strategies with respect to said INVENTION and all corresponding applications, and hereby request that Letters Patent be issued in accordance with this assignment. I further acknowledge and agree that this assignment includes any and all past, present, and future claims against third parties in connection with any of the rights assigned by this assignment to said ASSIGNEE.

I further covenant and agree to bind my heirs, legal representatives, and assigns, to communicate promptly to said ASSIGNEE or its representatives any facts known to me relating to said INVENTION, to testify in any interference or legal proceedings involving said INVENTION, to execute any additional papers, make all rightful oaths, and do all other lawful acts that may be requested to confirm the right of said ASSIGNEE, its successors and assigns to secure patent or similar protection for said INVENTION in all countries and to vest in said ASSIGNEE complete title to said INVENTION and Letters Patent, without further compensation, but at the expense of said ASSIGNEE, its successors and assigns.

Furthermore, I, Ryan Truong, hereby declare the following:

- (i) U.S. Non-Provisional Patent Application No. 16/856,268, filed April 23, 2020, was made or authorized to be made by me;
- (ii) I believe that I am the original inventor or an original joint inventor of a claimed invention in U.S. Non-Provisional Patent Application No. 16/856,268; and (iii) I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.



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

Executed this 2 day of July 2020.

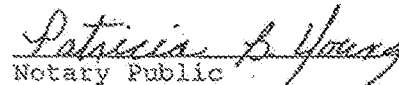


RYAN TRUONG

STATE OF North Carolina

COUNTY OF Catawba

Before me personally appeared said Ryan Truong and acknowledged the foregoing instrument to be his free act and deed this 2nd day of July 2020.


Notary Public

Patricia B. Young
Printed Name

My commission expires: 3/3/2025

S E A L

