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COVER SHEET
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U.S. Department of Commerce
Patent and Trademark Office
Attorney Docket No. 05788.0169
Attorney Customer Number: 22,852

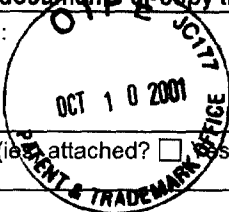
To the Honorable Con

101876957

ATTN. BOX ASSIGNMENTS

Please record the attached original document or copy thereof.

1. Name of conveying party(ies): 1. Bartolomeo Italo TRILONI 2. Giacomo Stefano ROBA	2. Name and address of receiving party(ies): Name: PIRELLI CAVI E SISTEMI S.P.A.
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Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Internal Address:
3. Nature of conveyance:	Street Address: Viale Sarca, 222, I-20126 Milano, Italy

<input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger	City:
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<input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name	State:	Zip Code:
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<input type="checkbox"/> Other:	Additional name(s) & Address(es) attached?
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Execution Date: September 18, 2001 Yes No

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application:	
A. Patent Application Number(s): 09/880,766	B. Patent Number(s):
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Mr. Ernest F. Chapman Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. Street Address: 1300 I Street, N.W. City: Washington, D.C. State: Zip: 20005-3315	6. Total number of applications and registrations involved: 1
	7. Total fee (37 CFR 3.41): \$40 <input checked="" type="checkbox"/> Enclosed (Please charge deficiency to deposit account) <input type="checkbox"/> Authorized to be charged to deposit account
	8. Deposit Account No.: 06-0916

9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Ernest F. Chapman
Reg. No. 25,961
[Typed Name of Signor]

 Signature
October 10, 2001 Date

Total number of pages including cover sheet, attachments and documents: 3

10/17/2001 DBYRME 00000110-09880766
01 FC:581 40.00 DP

JOINT INVENTION
(U.S. Rights Only)

ASSIGNMENT

WHEREAS, We, the below named inventors, (hereinafter referred to as assignors, have made an invention entitled:

**OPTICAL SYSTEM AND METHOD HAVING LOW LOSS
AND NON-LINEAR EFFECTS**

for which we executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on June 15, 2001, (Application No. 09/880,766); and

WHEREAS, PIRELLI CAVI E SISTEMI S.P.A., a corporation of Italy, whose post office address is Viale Sarca, 222, I-20126 Milano, Italy (hereinafter referred to as assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

**PATENT
REEL: 012250 FRAME: 0194**

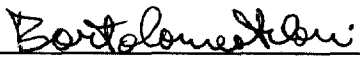
AND, WE HEREBY authorize and request the attorneys we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. 09/880,766, filed June 15, 2001) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, we have hereunto set our hands.

First Assignor

Bartolomeo Italo TIRLONI
Via Zanica, 2
I-24126 Bergamo Italy

Citizenship: Italy


Signature: x 

Date: SEPTEMBER 18, 2001

Second Assignor

Giacomo Stefano ROBA
Via Arno, 5/10,
I-20052 Monza (Milano), Italy

Citizenship: Italy

Signature: x 

Date: SEPTEMBER 18, 2001