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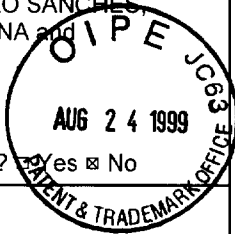


To the Honorable Commissioner of Patents and Trademark
Please record the attached original documents or copy thereon.

101127780

AIR MAIL BOX ASSIGNMENTS

1. Name of conveying party(ies):
Fulvio ARECCO, Marcos Antonio BRANDÃO SANCHES,
Francesca LOSETO, Piergiovanni MATRONA and
Mario TAMBURELLO
Additional name(s) of conveying party(ies) attached? Yes No



2. Name and address of receiving party(ies):
Name: PIRELLI CAVI E SISTEMI S.p.A.

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
Execution Date: July 14, 1999

Internal Address:
Street Address: Viale Sarca 222, 20126 Milano, Italy
City:
State: Zip Code:
Additional name(s) & Address(es) attached?
 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):
09/321,850
Additional numbers attached? Yes No

B. Patent Number(s):

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
State: DC Zip: 20005-3315

6. Total number of applications and registrations involved: 1
7. Total fee (37 CFR 3.41): \$40
 Enclosed (Please charge deficiency to deposit account)
 Authorized to be charged to deposit account
8. Deposit account number: 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
Signature: Date: August 24, 1999

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

A S S I G N M E N T

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

"OPTICAL COMMUNICATION SYSTEM"

for which I/WE executed an application for United States Letters Patent concurrently herewith or on _____ or filed an application for United States Letters Patent on May 28, 1999 (Serial No. 09/321,850); and

WHEREAS, PIRELLI CAVI E SISTEMI S.p.A., a corporation of Italy, whose post office address is Viale Sarca, 222 - 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, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my/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 I/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, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me/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.

AND, I/WE HEREBY authorize and request the attorneys I/we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. 09/321,850, filed May 28, 1999) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/We have hereunto set our hand(s).

1. Full Name of Sole or First Assignor : Fulvio ARECCO	: Assignor's Signature <i>Fulvio Becca</i>	: Date July 14, 1999
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2. Full Name of Second Assignor Marcos Antonio BRANDÃO SANCHES	: Assignor's Signature <i>Marcos Antonio Brandão Sanches</i>	: Date July 14, 1999
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3. Full Name of Third Assignor Francesca LOSETO	: Assignor's Signature <i>Francesca Loseto</i>	: Date July 14, 1999
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4. Full Name of Fourth Assignor Piergiovanni MATRONA	: Assignor's Signature <i>Piergiovanni Matrona</i>	: Date July 14, 1999
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5. Full Name of Fifth Assignor Mario TAMBURELLO	: Assignor's Signature <i>Mario Tamburello</i>	: Date July 14, 1999
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6. Full Name of Sixth Assignor	: Assignor's Signature	: Date
Address	:	: Citizenship
7. Full Name of Seventh Assignor	: Assignor's Signature	: Date
Address	:	: Citizenship
8. Full Name of Eighth Assignor	: Assignor's Signature	: Date
Address	:	: Citizenship
9. Full Name of Ninth Assignor	: Assignor's Signature	: Date
Address	:	: Citizenship
10. Full Name of Tenth Assignor	: Assignor's Signature	: Date
Address	:	: Citizenship
11. Full Name of Eleventh Assignor	: Assignor's Signature	: Date
Address	:	: Citizenship
12. Full Name of Twelfth Assignor	: Assignor's Signature	: Date
Address	:	: Citizenship