|--|--|

	CET	U.S. DEPARTMENT OF COMMERC
2482471		U.S. Patent and Trademark Offi

Form PTO-1595 (modified)		CET U.S. DEPARTMENT OF COMMERCE				
(Rev. 03/01) OMB No. 0651-0027	102482471	U.S. Patent and Trademark Office				
To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.						
1. Name of conveying party(ies):	2. Name and addres	s of receiving party(ies):				
Brian RISCH	ALCATEL 54, rue la Boetie	2				
Olaf STORAASLI	54, rue la Boetie					
	75008 Paris, FRANC					
		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
		000				
		9				
Additional name(s) of conveying party(ies) attach	ned? Li Yes Li No	<b>H</b> ==				
3. Nature of conveyance:						
☑ Assignment ☐ Merger						
☐ Security Agreement ☐ Change of I	Name					
☐ Other						
Execution Date: June 16 and 17, 2003  4. Application number(s) or patent number		address(es) attached? ☐ Yes ☑ No				
• • • • • • • • • • • • • • • • • • • •	• •					
If this document is being filed together	with a new application, the execution dat	te of the application is: June 16 and 17, 2003				
A. Patent Application No.(s)	B. Patent No.(s)					
1/1//2230						
1090000 A	dditional numbers attached?    Yes	s ☑ No				
5. Name and address of party to whom co		applications and patents involved:				
concerning document should be mailed		1				
SUGHRUE MION, PLLC	7. Total fee (37 CFI  ☑ Enclosed.	R 3.41): \$40.00				
WASHINGTON OFFICE		he charged to Denosit Account No. 10 4880				
		☐ Authorized to be charged to Deposit Account No. 19-4880.  The USPTO is directed and authorized to charge all required				
		ssue Fee and the Publication Fee, to Deposit				
23373		0. Please also credit any overpayments to said				
PATENT TRADEMARK OFFICE	Deposit Account.					
	8. Deposit Account					
	(Attach duplicate					
DO NOT USE THIS SPACE						
9. Statement and signature.	· · · · · · · · · · · · · · · · · · ·					
To the best of my knowledge and beliet	f, the foregoing information is true and co	rrect and any attached copy is a true copy of the				
original document. /	, , , , , , , , , , , , , , , , , , , ,	1,5 1,5				
May 1.	and the second s	June 18, 2003				
Brian W. Hannon	Reg. No. 32,778	Date				
/	,					
	of pages including cover sheet, attachmer					
Mail documents to be recorded with required cover sheet information to:						
Director of the U.S. Patent and Trademark Office						
P.O. Box 1450						
Alexandria, VA 22313-1450						
To the best of my knowledge and belief original document.  Brian W. Hannon  Total number  Mail document  MAIL S	Reg. No. 32,778  of pages including cover sheet, attachments to be recorded with required covers STOP ASSIGNMENT RECORDATIO Director of the U.S. Patent and Trademark	19-4880 e copy of this page if paying by deposit account)  rrect and any attached copy is a true copy of a  June 18, 2003 Date  nts, and documents: 3 sheet information to: N SERVICES				

00000081 10463338

01 FC:8021

40.00 OP

**PATENT REEL: 014198 FRAME: 0589**  **©** 

Pocket No. A8449 For U.S. Clients

## Assignment

Whereas, I/We, Brian RISCH, Olaf STORAASLI of Corvallis, Oregon, Hickory, North Carolina, respectively, hereinafter called assignor(s), have invented certain improvements in A FIBER OPTIC CABLE HAVING NO RIGID STRENGTH MEMBERS AND A REDUCED COEFFICIENT OF THERMAL EXPANSION and executed an application for Letters Patent of the United States of America therefor on Whereas, ALCATEL, 54, rue la Boetie, 75008 Paris, FRANCE (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor: Now therefore, for valuable consideration, receipt whereof is hereby acknowledged, I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America and all countries foreign thereto. including rights of priority under the International Convention of Paris (1883) as amended, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee. I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses and Confirmation number (Application number ) the application number and filing date of said application when known. Date: Date: s/Olaf STORAASLI

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

HEMLETT PACKARD ASL LABS

JUN-17-2003 08:20

541 715 0568 P. 03.03

PATENT REEL: 014198 FRAME: 0590

Docket No. A8449 For U.S. Clients

## Assignment

Whereas, I/We, Brian RISCH, Olaf STORAASLI of Corvallis, Oregon, Hickory, North Carolina, respectively, hereinafter called assignor(s), have invented certain improvements in A FIBER OPTIC CABLE HAVING NO RIGID STRENGTH MEMBERS AND A REDUCED COEFFICIENT OF THERMAL EXPANSION and executed an application for Letters Patent of the United States of America therefor on; and
Whereas, ALCATEL, 54, rue la Boetie, 75008 Paris, FRANCE (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;
Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,
I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.
I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100
Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses
(Application number and Confirmation number, filed, the application number and filing date of said application when known.
Date:
Date: C/17/03 S/Olaf SYORAASLI
<i>1</i>

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

**RECORDED: 06/18/2003** 

PATENT REEL: 014198 FRAME: 0591