|--|--|--|

, ,	T U.S. DEPARTMENT OF COMMERCE	
(Rev. 03/01) OMB No. 0651-0027	1977467 U.S. Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):	
Patrick BRINDEL	ALCATEL	
Stephanie BARRE Denis PENNINCKX	54, rue La Boetie 75008 Paris, France	
Alexandre SHEN	75000 1 4113, 1 141100	
2-4-0Z		
Additional name(s) of conveying party(ies) attached? Yes No		
3. Nature of conveyance:		
☑ Assignment ☐ Merger		
☐ Security Agreement ☐ Change of Name		
Other		
Execution Date: December 11, 2001 and January 14 and 16, 2002	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 is: December 11, 2001 and		
January 14 and 16, 2002 A. Patent Application No.(s)	B. Patent No.(s)	
09/988,278		
Additional numbers	l attached? □ Yes ☑ No	
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved:	
concerning document should be mailed:	1	
SUGHRUE MION, PLLC	7. Total fee (37 CFR 3.41): \$40.00 ☑ Enclosed. Please charge any underpayment in connection	
2100 Pennsylvania Avenue, N.W. Suite 800	with this Assignment to Deposit Account No. 19-4880.	
Washington, D.C. 20037-3213	☐ Authorized to be charged to deposit account	
	8. Deposit account number:	
	19-4880	
	(Attach duplicate copy of this page if paying by deposit account)	
DO NOT USE THIS SPACE		
9. Statement and signature.	the state of a second and a second according a true composition	
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		
origi tall document.		
David J. Cushing Reg. No. 28,703 February 4, 2002 Date		
David J. Cushing Reg. No. 28,703		
Total number of pages including cover sheet, attachments, and documents: 2		
Mail documents to be recorded with required cover sheet information to:		
Commissioner of Patents & Trademarks Box Assignment		
Washington, D.C. 20231		
07/2002 LMUELLER 00000168 09988278		
FC:581 40.00 OP /		

PATENT REEL: 012547 FRAME: 0919

6 663 ···

For Non-U.S. Clients

Assignment[INS1]

Whereas, I/We, Patrick BRINDEL; Stéphanie BARRE; Denis PENNINCKX; and Alexandre SHEN, of Longpont-sur-Orge, France; Les Ulis, France; Nozay, France, and Paris, France, respectively, hereinafter called assignor(s), have invented certain improvements in "Optical Power Equalizer", and executed an application for Letters Patent of the United States of America therefor on; and		
Whereas,	ALCATEL	
	54, rue La Boétie	
	75008 PARIS	
	France	
(assignee), desires to acquire invention, and to any United States p	the entire right, title, and interest in the application and 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, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director – 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 will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application 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 09/988278 and Confirmation number		
Date: January 16 1/202 s/Stéphanie BARRE		
Date: Jan. 14, 2002 s/Denis PENNI	NCKX	
Date: Jan. 14, 2002		
s/Alexandre SH	IEIN	
(Legalization not required for recording	but is prima facie evidence of execution under 35 U.S.C. §261)	

*Villebon-sur-Yvette

RECORDED: 02/04/2002

PATENT REEL: 012547 FRAME: 0920