Form PTO-1595 (modified) SHEET U.S. DEPARTMENT OF COMMERCE (Rev. 03/01) U.S. Patent and Trademark Office 102317509 OMB No. 0651-0027 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): Yann FRIGNAC ALCATEL Sebastien BIGO 54, rue La Boetie 75008 Paris, FRANCE Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No 3. Nature of conveyance: ☑ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name □ Other Execution Date: January 29, 2002 Additional name(s) & address(es) attached?

Yes ☑ No 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: January 28, 2002 and January 29, 2002 A. Patent Application No.(s) B. Patent No.(s) Additional numbers 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: 7. Total fee (37 CFR 3.41): \$40.00 SUGHRUE MION, PLLC ☑ Enclosed. WASHINGTON OFFICE ☐ Authorized to be charged to Deposit Account No. 19-4880. The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said PATENT TRADEMARK OFFICE 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. 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. December 17, 2002 David J. Cushing Date 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

12/20/2002 TDIAZ1 00000039 10320510 40.00 DP 01 FC:8021

> PATENT REEL: 013582 FRAME: 0132

Assignment

Whereas, I/We, <u>Yann FRIGNAC</u> and <u>Sébastien BIGO</u> , of <u>Paris, France</u> , and <u>Massy</u> , <u>France</u> , respectively, hereinafter called assignor(s), have invented certain improvements in <u>"Optical Filter and Transmission System Incorporating an Optical Filter"</u> , and executed an application for Letters Patent of the United States of America therefor on; and		
Where	eas.	ALCATEL
	,	54, rue La Boétie
		75008 PARIS
		France
		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,		
assignee, its s invention disc under 35 U.S any Letters Pa successors an	successors and assigns, closed therein for the U.C. §119, and I/we requatent granted upon the dassigns; and I/we wilthe assignee in connect	nor(s), hereby sell, assign and transfer to the above named the entire right, title and interest in the application and the Inited States of America, including the right to claim priority lest the Director – U.S. Patent and Trademark Office to issue invention set forth in the application to the assignee, its Il execute without further consideration all papers deemed tion with the United States application when called upon to
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 on number of said appli) the filing date
and application	on number of said appli	cation when known.
Date: 99		to sugare
Date: <u>99</u>	s/Yann FRIGNA	Soi
Date:	8/Sebastien BIG	V V
	s/	
Date:		

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

s/

PATENT
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