FORM PTO-1595

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE

1-31-92 PATEN	NTS ONLY	Patent and Trademark Office	
To the Commissioner of Patents and Trademarks:	Please record the attached original documents of	or copy thereof.	
Name of conveying party(ies):	2. Name and address of receiving party(i	es):	
Alcatel 54 rue La Boétie, 75008 Paris, France	Name: Avanex Corporation Street Address: 40919 Encycloped	lia Circle	
Additional name(s) of conveying party(ies) attached?	City/State/Zip: Fremont, Californi	а 94538	
☐ Yes ⊠ No	Additional name(s) & address(es) attached	7	
3. Nature of conveyance: Assignment	☐ Yes ⊠ No		
Execution Date: July 31, 2003			
4. Application number(s) or patent number(s): 1			
If this document is being filed together with a new application	on, the execution date of the application is:	11.11.11.11.11	
A. Patent Application No.(s): 10/217,426	B. Patent No.(s):		
Additional num	bers attached? Yes No	100.00	
 Name and address of party to whom correspondence concerning document should be mailed: 	6. Total number of applications and patent involved: [1]	is	
Name: U.P. Peter Eng Internal Address: FH 1-2 Wilson Sonsini Goodrich & Rosati 650 Page Mill Road	7. Total fee (37 CFR 3.41) ☐ Enclosed ☐ Authorized to be charged to deposit		
Palo Alto, CA 94304-1050	8. Deposit account number: 23-2415 (Attorney Docket No.: 232.201)		
DO NOT USE THIS SPACE			
 Statement and signature. To the best of my knowledge and belief, the foregoing in the original document. 	nformation is true and correct and any attached	1 copy is a true copy of	
	Um Pay Pata Eng		
U.P. Peter Eng, Reg. No. 39,666	Signature	9/11/2003 Date	
Name of Person Signing Total p	umber of pages including cover sheet, attachma		
I GLAI II	without of Labor mornamic count mitch uniterim.	ATTENDED TO THE PROPERTY [1]	

PATENT REEL: 013967 FRAME: 0280

700043859

PATENT ASSIGNMENT

This Patent Assignment ("Assignment") is made as of July 31, 2003 by Alcatel, a French Company organized and existing under the laws of France, having its registered office 54 rue La Boétie, 75008 Paris, France ("Assignor"), to Avanex Corporation, a Delaware corporation having a place of business at 40919 Encyclopedia Circle, Fremont, California 94538, United States of America ("Assignee").

RECITALS

- A. Assignor, Assignee and Coming Incorporated have entered into a Share Acquisition and Asset Purchase Agreement dated as of May 12, 2003 (the "Purchase Agreement").
- B. Assignor owns the patent(s) issued by the United States Patent and Trademark Office and certain foreign patent and trademark offices, as well as patent applications filed with the United States Patent and Trademark Office and certain foreign patent and trademark offices, as set forth on Schedule A hereto (the "Patents").
- C. Purcuant to the Purchase Agreement, Assignor desires to assign to Assignee all of Assignor's right, title and interest in and to the Patents.

AGREEMENT

NOW, THEREFORE, in consideration of the foregoing premises, the mutual covenants and agreements contained in the Purchase Agreement and the covenants and agreements in this Assignment and to induce Assignee to consummate the transactions contemplated by the Purchase Agreement, Assignor agrees as follows:

Assigner does hereby irrevocably sell, transfer, convey, assign and deliver to Assignee all of Assignor's right, title and interest in and to the Patents (and regarding Patents that are patent applications, any patents that may issue therefrom), including any foreign counterparts, patents or patent applications to which the Patents claim priority, divisionals, continuations in whole or in part, reexaminations, reissues or extensions thereof, and the right to claim priority to any of the preceding, the same to be held by Assignee for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors, assigns and other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment and sale had not been made; together with all claims for damages by reason of past infringements of the Patents and the right to sue for and collect such damages, as permitted under the applicable laws for any jurisdiction or country in which such claims may be asserted (provided, however, that the foregoing does not require Assignor to pay to Assignee any revenues or damages previously recovered or to be recovered pursuant to contracts previously concluded by Assignor, nor does it amend any other written agreements between Assignor and Assignee with respect thereto), for the use and benefit of Assignee and its successors, assigns and other legal representatives.

2. Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any officer of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of intellectual property protection or applications as aforesaid, to issue the same to Assignee and its successors, assigns and other legal representatives in accordance with the terms of this instrument.

IN WITNESS WHEREOF, Assignor has executed this Assignment.

ASSIGNOR

By:

Signature

Printed Name: Ulrich Knecht

Title: Director Intellectual Property

Schedule A

-3-

Certificate of Signature

The signature executed before me above by

Mr. Ulrich Knecht, born March 02 th,1957, Lorenzstr. 10, 70435 Stuttgart,

-identified by ID-Card of the Federal Republic of Germany-

is herewith duly certified.

Stuttgart, July 25th, 2003

UR-Nr. 406 / 2003

Hans Ulich Kurz Notary Public at Stuttgart

Schedule A

REDACTED

ALCATE, polents to be assigned	Patent card the country protection deleted status filling date Sing No. profitcation publication grant date grant Mo.
	doctor Patent eard 1944

1288613	003-003562
35803	2/20/03
0140284.0	107217426
10.80¢	874/02
PUBA	MBM
3280	20002
V-GB-V	9-
a	8
100601 SCANTED BRAGG GRATING OFFICAL, HERSE AND PROCESS FOR MANUFACTURING SUCH A FIRRE	

50h, 2003

2000

RECORDED: 09/11/2003