

FORM PTO-1595

(Rev. 6-93)

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RECORDATION FOR
PATENTS

05-12-2000

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copy thereof.

To the Honorable Commissioner of Patents and Trademarks: Please.

1. Name of conveying party(ies):

Armand P. Neukermans, Timothy G. Slater, Tyler
L. Baughman, James P. Downing, John S. Forker,
Gregory A. Reznick, Sam Calmes, Steven M. Clark,
Jack D. Foster, Marc R. Schuman, and

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 17, 1999

2. Name and address of receiving party(ies)

Name: Xros, Inc.

Internal Address: _____

Street Address: 750 N. Pastoria AvenueCity: Sunnyvale State: CA Zip: 94086Additional 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 applications: _____

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Donald E. Schreiber, Esq.

Internal Address: _____

Donald E. Schreiber A Professional CorporationStreet Address: Post Office Box 64150City: Sunnyvale State: CA Zip: 94089-13236. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) \$ 40.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Charge any deficiency or credit
any surplus to Deposit Account number19-0735

40.00 DP

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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.

Donald E. Schreiber

Name of Person Signing

Donald E. Schreiber
SignatureTotal number of pages including cover sheet, attachments, and document: 5

Mail documents to be recorded with required cover sheet information:

Commissioner of Patents & Trademarks, Box Assignments
Washington, D. C. 20231

PATENT

REEL: 010769 FRAME: 0675

A S S I G N M E N T

We, Armand P. Neukermans, Timothy G. Slater, Tyler L. Baughman, James P. Downing, John S. Forker, Gregory A. Reznick, Steven M. Clark, Jack D. Foster, and Marc R. Schuman, citizens of the United States of America, Sam Calmes a citizen of Luxembourg, and Rajiv Ramaswami a citizen of India, for One Dollar (\$1.00) in hand paid to us and for other good and valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign to Xros, Inc., a Delaware Corporation having an office located at 750 North Pastoria Avenue, Sunnyvale, California 94086-3522 (hereinafter referred to as Assignee), its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter invented by us and disclosed in the accompanying application for Letters Patent of the United States entitled:

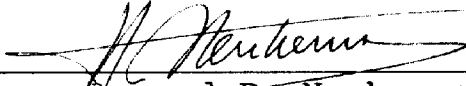
**FLEXIBLE, MODULAR, COMPACT
FIBER OPTIC SWITCH**

and in and to all subject matter invented by us and disclosed in Patent Cooperation Treaty ("PCT") international patent application PCT/US99/21139 which designates the United States, has the title set forth above, and was filed with the United States Patent and Trademark Office on September 15, 1999; and in and to any and all divisions, reissues, in and to all continuations and extensions thereof; and in and to all Letters Patent and all Convention and Treaty Rights of all kinds, in all countries throughout the world, for such subject matter.

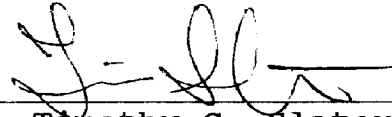
We hereby authorize and request that Patent Office Officials in the United States and any and all foreign countries issue any and all of the Letters Patent, when granted, to the Assignee, as the assignee of our entire right, title and interest in and to the same, for the sole use and enjoyment of said Assignee, its successors and assigns.

Further, we agree that we will communicate to said Assignee, or its representatives, any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisions, continuations, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said Assignee, make all rightful oaths and generally do everything necessary or desirable to aid said Assignee, its successors and assigns, in obtaining and enforcing proper protection for said invention in the United States and in any and all foreign countries.


In Testimony Whereof we have hereunto set our hands this
12/15 day of December, 1999.

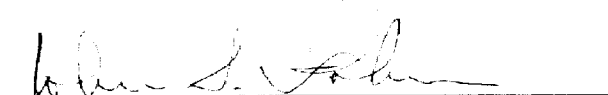


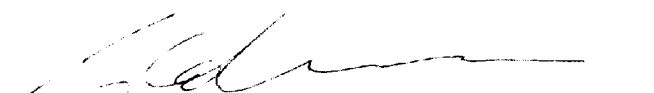
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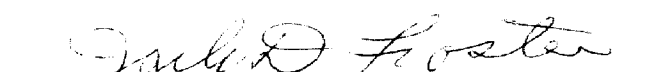



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County of Santa Clara)

On December 14, 1999, before me, Marcelle Ivie, a notary
public, personally appeared Armand P. Neukermans, Timothy G.


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Slater, Tyler T. Baughman, John M. Forker, Gregory A. Reznick, Sam Calmes, Steven M. Clark, Jack D. Foster, Marc R. Schuman, and Rajiv Ramaswami, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity on behalf of which the person(s) acted, executed the instrument.

Witness my hand and Official seal.

Signature *Marcelle Ivie* (Seal)



State of California)

County of *Santa Clara*)

On *December 14*, 1999, before me, Marcelle Ivie, a notary public, personally appeared James P. Downing, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity on behalf of which the person(s) acted, executed the instrument.

Witness my hand and Official seal.

Signature *Marcelle Ivie* (Seal)

