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JUL 02 1999  
PATENT & TRADEMARK OFFICE

07-12-1999

Attorney Docket No: OPT-119

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To the Hon. Commissioner of Patents and Trademarks:

Please record the enclosed copy of an assignment document. Relevant assignment data are as follows:

1. Assignors:

**Sergei Orlov**  
333 Escuela Avenue #105  
Mountain View, CA 94040

**Ray Snyder**  
240 Dolores Street #328  
San Francisco, CA 94105

**Matthew C. Bashaw**  
5486 Milligan Drive  
San jose, CA 95124

2. Assignee:

**Siros Technologies, Inc.**  
**101 Daggett Drive**  
**San Jose, CA 95134**

3. Execution Date of Assignment of Entire Interest in Patent Application: **29 June 1999**

4. Execution Date of Declaration for Patent Application: **29 June 1999**

4A. Patent Application No.: **09/258,162**

4B. Patent Number:

5. Correspondence address: Marek Alboszta  
LUMEN  
426 Lowell Avenue  
Palo Alto, CA 94301

6. Total Number of applications and Patents involved: 1

7. Total fee (37 CFR 3.41): \$40 **E**

8. Statement and signature:

To the best of my knowledge and belief, the information contained herein is true and correct, and any attached copy is a true copy of the original document.

*Marek Alboszta*  
Marek Alboszta  
Reg. No. 39,894

Date: *29 June '99*  
telephone: (650) 321-6630

Total number of pages including cover sheet, attachments, and document: 3

( 07/07/1999 AMOHAMME 00000092 09258162 )  
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**ASSIGNMENT**

THIS ASSIGNMENT, by

**SERGEI ORLOV, RAY SNYDER AND MATTHEW C. BASHAW**

(hereinafter referred to as the Assignors), residing at **Mountain View, California**;  
~~San Francisco, California~~; and ~~San Jose, California~~;  
 respectively, witnesseth:

WHEREAS, said Assignors have invented certain new and useful improvements in

**OPTICAL RELAY FOR PIXEL-BASED HOLOGRAPHIC STORAGE AND  
 RETRIEVAL**

for which application 09/258,162 for Letters Patent was filed 25 Feb 99

WHEREAS,

**Siros Technologies, Inc.**

(hereinafter referred to as the Assignee), a body having corporate powers under the laws of the state of **CALIFORNIA, SAN JOSE, CALIFORNIA 95134**, is desirous of obtaining the entire right, title and interest in and to said inventions and said application for Letters Patent, and in and to any Letters Patent, United States or foreign, to be obtained therefor and thereon;

WHEREAS, said Assignors and said Assignee have executed an agreement entitled "Agreement Concerning Rights in Invention."

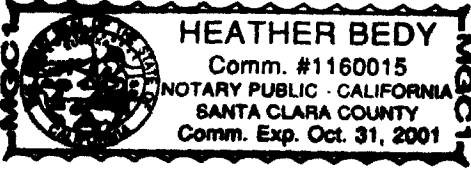
NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and sufficient considerations, the receipt of which is hereby acknowledged:


1. The Assignors have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over unto said Assignee, the entire right, title and interest in, to and under said inventions; said application for Letters Patent; any Letters Patent which may be granted for said inventions in the United States of America and any foreign country; any division, continuation, and continuation-in-part of said application; any reissue or extension of said Letters Patent; and all rights under the International Convention for the Protection of Industrial Property; said right, title and interest to be held and enjoyed by said Assignee for its own use and behoove to the full end of the term for which Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignors, had this sale and assignment not been made.
2. Said Assignors hereby jointly and severally warrant and represent that, at the time of execution and delivery of these presents, said Assignors are the joint and lawful owners of the entire right, title and interest in and to said inventions and said application for Letters Patent, and that the same have not entered into any assignment, contract or understanding in conflict herewith.
3. Said Assignors hereby jointly and severally covenant and agree to assist and cooperate with said Assignee, whereby said Assignee may enjoy to the fullest extent said right, title and interest herein conveyed, provided, however, that the entire expense which may be incurred by said Assignors in lending such assistance and cooperation be paid by Assignee. Such cooperation shall include: (a) prompt execution of all papers (prepared at the expense of Assignee) which are deemed necessary or desirable by Assignee to perfect said right, title and interest herein conveyed, (b) prompt execution of all petitions, oaths, specifications, declarations and other papers (prepared at the expense of Assignee) which are deemed necessary or desirable by Assignee for filing or prosecuting in the United States or any foreign country said application, any application which is a division, continuation, or continuation-in-part of said application, any reissue application for any Letters Patent granted on said application, or for any interference proceeding involving said application or Letters Patent granted thereon; and (c) prompt assistance and cooperation in the prosecution of all legal proceedings involving said inventions, said application, or Letters Patent granted thereon, including oppositions, cancellation proceedings, priority contests, public use proceedings and court actions.
4. The terms, covenants and conditions of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and/or other legal representatives, and shall be binding upon said Assignors, their heirs, legal representatives and assigns.


5. The terms, covenants and conditions of this Assignment are subject to the payment of royalty by Assignee to Assignors in accordance with the provisions of said Agreement Concerning Rights in Invention.

6. Said Assignors hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States to said Assignee as the assignee of said inventions.

IN WITNESS WHEREOF said Assignors have executed and delivered this instrument on the respective dates noted below.

Date: June 29, 1999 \_\_\_\_\_ Sergei Orlov  
Sergei Orlov  
State: California County: Santa Clara  
Subscribed and sworn to before me on this 29 day of June, 1999  
  
Heather Bedy  
Notary Public

Date: March 18 1999 \_\_\_\_\_ [Signature]  
Ray Snyder  
State: California County: Santa Clara  
Subscribed and sworn to before me on this 18 day of March, 1999  
  
Heather Bedy  
Notary Public

Date: 18 Mar 99 \_\_\_\_\_ [Signature]  
Matthew C. Bashaw  
State: California County: Santa Clara  
Subscribed and sworn to before me on this 18 day of March, 1999  
  
Heather Bedy  
Notary Public