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Substitute Form PTO-1595  
Attorney Docket No.: 16155-004001

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COVER SHEET  
PATENTS ONLY15364 U.S. PTO  
10/841290

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Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): Joel L. Dawson, Sriraman Dakshinamurthy and Derek K. Shaeffer Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Aspendos Communications 560 S. Winchester Blvd. Suite 500 San Jose, CA 95128 Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: May 4, 2004	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: May 4, 2004 A. Patent Application No(s): 10841290 B: Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: MARK D. KIRKLAND Fish & Richardson P.C. 500 Arguello Street, Suite 500 Redwood City, California 94063	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>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.</i>  Mark D. Kirkland Reg. No. 40,048 Name of Person Signing  Signature  Date 5/6/04	
Total number of pages including coversheet, attachments and document: 3	

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## CERTIFICATE OF MAILING BY EXPRESS MAIL

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Date of Deposit: May 6, 2004

PATENT  
REEL: 015314 FRAME: 0991

ASSIGNMENT

For valuable consideration, we, JOEL L. DAWSON of 777 W. Middlefield Road, Apt. 191, Mountain View, CA 94043, SRIRAMAN DAKSHINAMURTHY of 4211 Norwalk Drive, #CC103, San Jose, CA 95129, DEREK K. SHAEFFER of 515 Quartz Street, Redwood City, CA 94062, hereby assign to:

Aspendos Communications, a corporation of Delaware having a place of business at:

560 S. Winchester Blvd.  
Suite 500  
San Jose, CA 95128; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled PHASE ROTATION ESTIMATION, filed herewith, and assigned U.S. Serial Number Unassigned, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at 10:30 AM,  
this 4<sup>th</sup> day of MAY, 2004  
Joel L. Dawson L.S.  
JOEL L. DAWSON

IN WITNESS WHEREOF, I hereto set my hand and seal at 10:30 AM,  
this 4<sup>th</sup> day of May, 2004  
Sriraman Dakshinamurthy L.S.  
SRIRAMAN DAKSHINAMURTHY

IN WITNESS WHEREOF, I hereto set my hand and seal at 11:50 AM,  
this 4<sup>th</sup> day of May, 2004  
Derek K. Shaeffer L.S.  
DEREK K. SHAEFFER

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