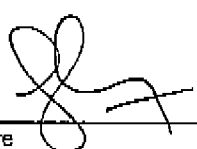


Substitute Form PTO-1595
Attorney Docket No.: 18636-009001

RECORDATION FORM COVER SHEET PATENTS ONLY

Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): <p style="text-align: center;">Santa Wiryamán and David Romrell</p> Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): <p style="text-align: center;">Converged Access, Inc. 31 Dunham Road Billerica, MA 01821-5729</p>
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: 01/20/2006; 02/08/2006	Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">A. Patent Application No(s):</div> <div style="width: 45%;">B. Patent No(s):</div> </div> <p style="text-align: center; margin-left: 350px;">7,010,611</p> 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: <p style="text-align: center;">MANDY JUBANG Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110</p>	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR \$3.41): \$40 <input type="checkbox"/> Enclosed <input checked="" 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>	
Mandy Jubang <u>Reg. No. 45,884</u> Name of Person Signing	<div style="text-align: center;">  Signature </div>
<div style="text-align: right;"> <u>February 27, 2006</u> Date </div>	
Total number of pages including coversheet, attachments and document: 4	

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CERTIFICATE OF TRANSMISSION BY FACSIMILE

I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

February 27, 2006
Date of Transmission

Cassie Chandler
Signature

Cassie Chandler
Typed Name of Person Signing Certificate

PATENT

700246636

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CH \$40.00 061050 7010611

18636-009001, -009002, -009W01

CONFIRMATORY ASSIGNMENT

The Effective Date of this Assignment is December 21, 2000.

We, Santa Wiryaman, of Lexington, Massachusetts, and David Romrell, of Hillsboro, Oregon, hereby confirm that, for valuable consideration, we assigned to Converged Access, Inc., a Delaware corporation having a place of business at 31 Dunham Road Billerica, MA 01821-5729, 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 BANDWIDTH MANAGEMENT ALGORITHM, filed July 7, 2000, and assigned U.S. Serial Number 09/612,635; the 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, including, but not limited to, Divisional Application No. 11/311,866, filed December 19, 2005, and PCT Application No. PCT/US00/34901, filed December 21, 2000, 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 I authorized the Assignee to apply in all countries in my 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 I agreed for me and my 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 Billerica, MA, this
20th day of January 2006.

Santa Wiryaman
 SANTA WIRYAMAN

Commonwealth of Massachusetts

County of Middlesex

On this 20th day of January 2006, before me, the undersigned notary public,
 personally appeared Santa Wiryaman, proved to me through satisfactory evidence of
 identity, which was/were driver's license, to be the person
 whose name was signed on the preceding or attached document in my presence, and who
 swore or affirmed to me that the contents of the document are truthful and accurate to the
 best of his/her knowledge and belief.

Karen J. Gellatly
 Notary Public
 My commission expires: _____

(seal of notary)



ORIGINAL DOCUMENT

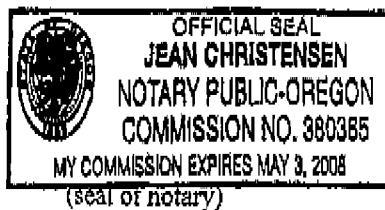
IN WITNESS WHEREOF, I hereto set my hand and seal at Hillsboro Oregon, this
8th day of Feb, 2006.



DAVID ROMRELL

State of Oregon

County of Washington

On this 8th day of February, 2006, before me, the undersigned notary public,
personally appeared David Romrell, proved to me through satisfactory evidence of
identity, which was/were an Oregon driver's license, to be the person
whose name was signed on the preceding or attached document in my presence, and who
swore or affirmed to me that the contents of the document are truthful and accurate to the
best of his/her knowledge and belief.




Notary Public
My commission expires: May 3, 2008

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Attorney's Docket No.: 18636-009001

OFFICIAL COMMUNICATION FACSIMILE**TO THE ATTENTION OF:****MAIL STOP ASSIGNMENT****MAIL STOP ASSIGNMENT FAX NO: 571/273-0140**

Number of pages including this page 5

Applicant : Santa Wiryaman et al.

Art Unit : 2157

Serial No. : 09/612,635

Examiner : Sahera Halim

Filed : July 7, 2000

FACSIMILE COMMUNICATION

Title : BANDWIDTH MANAGEMENT ALGORITHM

MAIL STOP ASSIGNMENT RECORDATION SERVICES

Commissioner for Patents

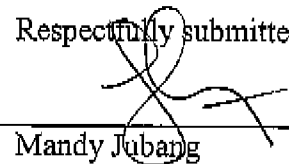
P.O. Box 1450

Alexandria, VA 22313-1450

Attached to this facsimile communication cover sheet is a Recordation Form Cover Sheet and Assignment, faxed this 27th day of February, 2006, to Mail Stop Assignment Recordation Services, U.S. Patent and Trademark Office.

Respectfully submitted,

Date: February 27, 2006


Mandy Jubang
Reg. No. 45,884

PTO Customer No. 26161

Fish & Richardson P.C.

225 Franklin Street

Boston, MA 02110

Telephone: (617) 542-5070

Fax: (617) 542-8906

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PATENT**RECORDED: 02/27/2006****REEL: 017286 FRAME: 0942**