

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Erik Christopher Metz	12/03/1996
Paul Andrew Zimmerman Jr.	12/11/1996
Laszlo Erdely Jr.	12/03/1996
Colin Joseph deSa	12/11/1996
Henry G. Hudson Jr.	11/18/1996
John W. Darr Jr.	11/22/1996

**RECEIVING PARTY DATA**

Name:	Bell Atlantic Network Services Inc.
Street Address:	1320 North Court House Road
City:	Arlington
State/Country:	VIRGINIA
Postal Code:	22201

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Patent Number:	5978855

**CORRESPONDENCE DATA**

Fax Number: (908)766-8264  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
 Email: joseph.r.palmieri@verizon.com  
 Correspondent Name: Joseph R. Palmieri  
 Address Line 1: One Verizon Way  
 Address Line 2: Room 54N074  
 Address Line 4: Basking Ridge, NEW JERSEY 07920

NAME OF SUBMITTER:	Joseph R. Palmieri
--------------------	--------------------

Total Attachments: 3

**501063963**

**PATENT  
 REEL: 023768 FRAME: 0814**

**CH \$40.00 5978855**

source=Inventor Assignment for 5978855#page1.tif  
source=Inventor Assignment for 5978855#page2.tif  
source=Inventor Assignment for 5978855#page3.tif

69652 U.S. P.T.  
08767777  
12/17/96

Docket No.: 680-083F

Page 1 of 3

ASSIGNMENT

WHEREAS WE, Erik Christopher Metz, Paul Andrew Zimmerman Jr., Laszlo Erdely Jr., Colin Joseph deSa, Henry G. Hudson, Jr. and John W. Darr, Jr. have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled **DOWNLOADING APPLICATIONS SOFTWARE THROUGH A BROADCAST CHANNEL**, executed by us on the date of execution of this document, as shown below, and filed concurrently herewith;

AND WHEREAS, BELL ATLANTIC NETWORK SERVICES, INC., a corporation of the State of Delaware and having an address of 1320 North Court House Road, 8th Floor, Arlington, Virginia 22201, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we do hereby sell, assign, transfer and set over unto BELL ATLANTIC NETWORK SERVICES, INC., its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, we hereby agree with the said assignee that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND we request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said BELL ATLANTIC NETWORK SERVICES, INC., its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

12/3/96  
Date

12/11/96  
Date

12/3/96  
Date

12/11/96  
Date

11/18/96  
Date

11/22/96  
Date

*Erik C. Metz*  
Erik Christopher Metz

*Paul Andrew Zimmerman Jr.*  
Paul Andrew Zimmerman Jr.

*Laszlo Erdely Jr.*  
Laszlo Erdely Jr.

*Colin Joseph deSa*  
Colin Joseph deSa

*Henry G. Hudson Jr.*  
Henry G. Hudson, Jr.

*John W. Darr Jr.*  
John W. Darr, Jr.


PATENT  
REEL: 8302 FRAME: 0662

PATENT  
REEL: 023768 FRAME: 0816

STATE OF Maryland )  
CITY/COUNTY OF Howard ) SS:

On this 3rd day of December, 1996 before me personally appeared ERIK CHRISTOPHER METZ, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

SEAL Sondra M Butler  
Notary Public

My commission expires  **SONDRA S. M. BUTLER**  
Notary Public  
Howard Co., MD  
My Comm. Exps. Jan. 11, 2000

STATE OF Maryland )  
CITY/COUNTY OF Howard ) SS:

On this 11th day of December, 1996 before me personally appeared PAUL ANDREW ZIMMERMAN JR. to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.


SEAL Sondra M Butler  
Notary Public

My commission expires  **SONDRA S. M. BUTLER**  
Notary Public  
Howard Co., MD  
My Comm. Exps. Jan. 11, 2000

STATE OF Maryland )  
COUNTY OF Howard ) SS:

On this 3rd day of December, 1996 before me personally appeared LASZLO ERDELY JR., to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

SEAL Sondra M Butler  
Notary Public

My commission expires  **SONDRA S. M. BUTLER**  
Notary Public  
Howard Co., MD  
My Comm. Exps. Jan. 11, 2000

REEL: 8302 FRAME: 0663

STATE OF Maryland )  
COUNTY OF Howard ) SS:

On this 11<sup>th</sup> day of December, 1996, before me personally appeared COLIN JOSEPH DESA, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

Andrew M. Butler

SEAL

Notary Public

My commission expires



STATE OF VA )  
COUNTY OF ARLINGTON ) SS:

On this 18<sup>th</sup> day of NOVEMBER, 1996, before me personally appeared HENRY G. HUDSON, JR., to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

Richard G. Backus

SEAL

Notary Public

My commission expires

2-28-99

STATE OF VA )  
COUNTY OF ARLINGTON ) SS:

On this 22<sup>nd</sup> day of NOVEMBER, 1996, before me personally appeared JOHN W. DARR, JR., to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

Richard G. Backus

SEAL

Notary Public

My commission expires

2-28-99

RECORDED: 12/17/1996

PATENT  
REEL: 8302 FRAME: 0664