PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Mauro Bonomi	02/27/2001
Jean-Georges Fritsch	11/28/2000
Patrick James Sweeney	10/31/2000
Randy Osborne	10/31/2000
Charles Francis Morris, Jr.	10/12/2000
Reed Majors	10/31/2000
Francis Michel DeGrange	02/06/2001
lan Locke	02/27/2001
Johnny C.Y. Ng	10/03/2000
Yousheng Cao	10/31/2000
Li Liu	11/28/2000
Nam Phu Thanh Do	02/06/2001
Ronald D. Howe	02/06/2001

RECEIVING PARTY DATA

Name:	Minerva Networks, Inc.
Street Address:	2111 Tasman Drive
City:	Santa Clara
State/Country:	CALIFORNIA
Postal Code:	95054

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12965803

CORRESPONDENCE DATA

Fax Number: (650)812-3444

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 650-812-3488

PATENT REEL: 025525 FRAME: 0469 \$40.00 1296

501383499

Email: pthompson@carrferrell.com, mschelling@carrferrell.com Correspondent Name: Patricia Thompson Address Line 1: 120 Constitution Drive. Menlo Park, CALIFORNIA 94025 Address Line 4: ATTORNEY DOCKET NUMBER: PA5472US NAME OF SUBMITTER: Myrna M. Schelling **Total Attachments: 7** source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif source=Assignment#page6.tif source=Assignment#page7.tif

> PATENT REEL: 025525 FRAME: 0470

ASSIGNMENT OF PATENT APPLICATION

(Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

METHOD AND SYSTEM FOR DELIVERING MEDIA SERVICES AND APPLICATIONS OVER NETWORKS

(Atty. Docket No.: MINEP003) for which I (we) have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to Minerva Networks, Inc. a California corporation having a place of business at 2111 Tasman Drive, Santa Clara, CA 95054, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNER's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

and sometimes with the assignment.
Signed on the date(s) indicated beside/my (our) signature(s),
Signed on the date(s) indicated beside/my (our) signature(s). 1. Inventor Signature:
State of California)
County of Santa Clara ss.
On this 27th day of February, in the year 2000, before me, Notary Public, personally appeared Mauro Bonomi personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. WITNESS my hand and official seal. Notary Signature Attorney Docket No.: MINEPOO2 Page 1 JOE ZHENG Commission # 1172828 Notary Public - Collifornia Son Mateo County My Comm. Expires Feb 7, 2002

PATENT ...REEL: 025525 FRAME: 0471

2. Inventor Signature:		N Date:	11/28/2000
	Jean-Georges FRITSCI	I	
State of California)		
County of <u>Santa</u>	Clara }	SS.	
On this 28th Toe Zheno	day of Nove	mber, in	the year 2000, before me, Jean-Georges Fritsch, personally
subscribed to the within in	o me on the basis of sail strument, and acknowled and that by his/her signat acted, executed the instru-	tisfactory evidence dged to me that he ure on the instrum	to be the person whose name is esshe executed the same in his/her nent the person, or the entity upon
Notary Signature	Bheny	CERAL)	JOE ZHENG Commission # 1172828 Notary Public - California San Mateo County My Comm. Expires Feb 7, 2002
3. Inventor Signature:	AtreManos Patrick James SWEENE	Lulenter Date:	Oct 31,2000
State of California	,		
County of <u>Santa</u>	Clara }	SS.	·
On this 31st JOE ZHEW	day of <u>Octo</u>	her in	the year 2000, before me, atrick James Sweeney, personally
known to me (or proved to subscribed to the within ins authorized capacity(ies), an behalf of which the person a	me on the basis of satistrument, and acknowled that by his/her signatucted, executed the instru	isfactory evidence) iged to me that he ure on the instrume	to be the person whose name is she executed the same in his/her ent the person, or the entity upon
WITNESS my hand Notary Signature	and official seal.	(SEAL)	JOE ZHENG Commission # 1172828
	70 1	Journal	Notary Public - California San Mateo County My Comm. Expires Feb 7, 2002

47	+	•		
4. Inventor Signature:	Randy OSBORNE		Date: 10-31-	<u>2000</u>
	Name OSBURNE			
State of California	,)		
<i>c</i> ,	10) ss.		
County of <u>Santa</u>	Clara)		
, personally known to me (name is subscribed to the his/her authorized capacity upon behalf of which the personal with	within instrument, and (ies), and that by his/ erson acted, executed i	e basis of satis acknowledged her signature of the instrument.	factory evidence) (I to me that he/sho n the instrument th	to be the person whose executed the same in
5. Inventor Signature: _/	Man Tet M	Com 1	Date: 10/12	My Comm. Expires Feb 7, 2002
	Charles Francis MOI	RRIS Ja	Date: <u>////</u>	<u> 708</u>
State of California))		
County of Santa) ss.)		
JOE ZHEN	day of Oct	personally	, in the year	2000, before me, Francis Morris Jr.,
personally known to me (or	r proved to me on the	basis of satisf	factory evidence) t	o be the person whose
name is subscribed to the v	within instrument, and	i acknowledge	i to me that he/she	e executed the same in
his/her authorized capacity	(ies), and that by his/	her signature or	n the instrument th	ne person, or the entity
upon behalf of which the pe WITNESS my hand	rson acted, executed	the instrument.		
···	. und Official Scal			JOE ZHENG
Notary Signature	She	cel =	AL)	Commission # 1172828
Z	7	0		Notary Public - California San Mateo County My Comm. Expires Feb 7, 2002

6. Inventor Signature:	1/1		Date:	15/37/00
State of California County of Sourfa	Reed MAJORS Clava)) ss.		
JOE ZHENG , personally known to me (name is subscribed to the	On this 3/54 day 5, Notary Public, for proved to me on within instrument, a (ies), and that by hierson acted, execute	the basis of sational acknowledge is/her signature of the instrument	sfactory e ed to me to on the ins	JOE ZHENG Commission # 1172828 Notary Public - California San Mateo County My Comm. Expires Feb 7, 2002
7. Inventor Signature:	Brange Wichel DE	GRANGE	Date:	<u> 2/6/01.</u>
known to me (or proved subscribed to the within i authorized capacity(ies), a behalf of which the person	day of <u>fe</u> , Notary Public to me on the basis nstrument, and ackrand that by his/her a acted, executed the	, personally apper of satisfactory encowledged to make signature on the	evidence) that he/	the year 2000, before me, acis Michel Degrange, personally to be the person whose name is she executed the same in his/her and the person, or the entity upon
Notary Signature	id and official seal.	nez	(SEAL)	JOE ZHENG Commission # 1172828 Notary Public - California San Mateo County My Cornm, Expires Feb 7, 2002

Attorney Docket No.: MINEP003 (Updated 0619/98)

Page 4

8. Inventor Signature: Date: 2/27/01
State of California)
County of Scenta Clara ss. On this 27th day of Feb , in the year 2000, before me,
(or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. WITNESS my hand and official scal.
Notary Signature (SBAL) Commission # 1172828 Notary Public - California San Mateo County My Comm. Expires Feb 7, 2002
9. Inventor Signature: Johnny C.Y. NG Date: 3007 2500
State of California) ss.
County of Sourta Clara ss.
On this 3rd day of Oct , in the year 2000, before me, TOE ZHENCE, Notary Public, personally appeared Johnny C.Y. NG, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
WITNESS my hand and official seal/
Notary Signature JOE ZHENG Commission # 1172828 Notary Public - California San Mateo County My Comm. Expires Feb 7, 2002

10. Inventor Signature: Yousheng CAO Date: 10/3//2000
State of California)
County of <u>Secreta Clara</u>) ss.
On this 31st day of October, in the year 2000, before me, JOE 2HENG. Notary Public, personally appeared Yousheng CAO, personally known
to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. WITNESS my hand and official seal.
Notary Signature Commission # 1172828 Notary Public - Colffornia San Mateo County My Comm. Expires Feb 7, 2002
11. Inventor Signature: Date: 11/28/2000
State of California)
County of <u>Santa Clara</u>) ss.
On this 28th day of Nov., in the year 2000, before me, 2005 Ziffeng, Notary Public, personally appeared Li LIU, personally known to me (or
proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized
capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
WITNESS my hand and official scal.
Notary Signature JOE ZHENG Commission # 1172828 Notary Public - Collifornia San Mateo County My Comm. Expires Feb 7, 2002
The Control of the Co

Attorney Docket No.: MINEP003 (Updated 0619/98)

Page 6

12. Inventor Signature: Nam Phu Thanh DO Date: 2-6-200)
State of California)
County of Santa Clara Ss.
On this both day of Feb in the year 2000, before me,
known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon
behalf of which the person acted, executed the instrument. WITNESS my hand and official seal. JOE ZHENG Commission # 1172828
Notary Signature Notary Signature Notary Public - Calliornia San Marteo County My Comm. Expires Feb 7, 2002
13. Inventor Signature: Date: 2\6\0\ Ronald D. Howe
State of California) County of Santa Clara) ss.
On this 6th day of Feb, in the year 2000, before me, TOF THENG, Notary Public, personally appeared Ronald D. Howe, personally known to me (or proved to me of the horizon fortificatory, evidence) to be the person where name is subscribed to
the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of
which the person acted, executed the instrument. WITNESS my hand and official seal. JOE ZHENG Commission # 1172828
Notary Signature SEAL Son Mateo County My Comm. Expires Feb 7, 2002

Attorney Docket No.: MINEP003 (Updated 0619/98)

Page 7

PATENT REEL: 025525 FRAME: 0477