PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Michael Luby	01/31/2002
Ronen Vainish	03/29/2002
Lars Rasmussen	02/05/2002
David Kushi	01/31/2002
Serban Simu	02/01/2002
Michael Walfish	01/31/2002
Diane Hernek	01/31/2002
Adrian Perrig	03/23/2002
Roberto Attias	03/27/2002
John Byers	03/26/2002

RECEIVING PARTY DATA

Name:	Digital Fountain, Inc.
Street Address:	5775 Morehouse Dr.
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92121

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11679170

CORRESPONDENCE DATA

500854100

Fax Number: (858)658-2520

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

858 845-2174 Phone:

Email: mckanej@qualcomm.com Correspondent Name: Qualcomm Incorporated Address Line 1: 5775 Morehouse Drive

Address Line 4: San Diego, CALIFORNIA 92121-1714		
ATTORNEY DOCKET NUMBER:	091817C1	
NAME OF SUBMITTER:	McKane Johnson	
Total Attachments: 9 source=091817_assignment#page1.tif source=091817_assignment#page2.tif source=091817_assignment#page3.tif source=091817_assignment#page4.tif source=091817_assignment#page5.tif source=091817_assignment#page6.tif source=091817_assignment#page7.tif source=091817_assignment#page8.tif source=091817_assignment#page8.tif		

Attorney Docket No.: 019186-002510US

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Michael Luby of 1133 Miller Ave., Berkeley, CA 94708; Ronen Vainish of 590 Dublin Way, Sunnyvale, CA 94087; Lars Rasmussen of 2668 Barrington Terrace, Fremont, CA 94536; David Kushi of 2462 15th Ave., San Francisco, CA 94127; Serban Simu of 39939 Stevenson Common, #3015, Fremont, CA 94538; Adrian Perrig of 2525 Stuart St., Apt. 301, Berkeley, CA 94705; Roberto Attias of 32 Lakeshore Court, Richmond, CA 94804; Michael Walfish of 1295 Guerrero St., #1, San Francisco, CA 94110-3635; Diane Hernek of 4178 Montgomery St., Oakland, CA 94611; John Byers of 31 Manemet Rd., Newton, MA 02459; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

MULTI-OUTPUT PACKET SERVER WITH

INDEPENDENT STREAMS

Date(s) of execution of Declaration:

Filing Date:

June 15, 2001

Application No.:

09/882,508; and

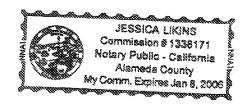
WHEREAS, Digital Fountain, Inc., a corporation of the state of Delaware, located at 39141 Civic Center Drive, Suite 300, Fremont, CA, 94538, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

STATE OF CALIFORNIA COUNTY OF On January 31, 2002 Defore me, Jecsica Likins Seatisfactory 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, 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. Dated: Mar. 39, 2003 Ronen Vainish STATE OF CALIFORNIA COUNTY OF On Mark 28, 2003 before me, Jecsica Likins Ronen Vainish NOTARY PUBLIC My Commission Expires: Jen 8, 2000 Ronen Vainish STATE OF CALIFORNIA COUNTY OF On Mark 28, 2003 before me, Jecsica Likins Ronen Vainish STATE OF CALIFORNIA COUNTY OF On Mark 28, 2003 before me, Jecsica Likins Ronen Vainish NOTARY PUBLIC MY Commission Expires: Jen 8, 2000 Ronen Vainish 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, 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.
COUNTY OF Ss. COUNTY OF On January 31, 2002 Defore me, Jessica Likins Personally appeared Michael Luby 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 suthorized capacity, 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. Dated: Max. 29, 2002 Ss. COUNTY OF On Max. 28, 2002 Defore me, Jessica Likins Ronen Vainish State of California Ss. COUNTY OF Defore me, Jessica Likins For me, Jessica Likins For 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, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
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Dated: Max. 29, 2002 Ronen Vainish STATE OF CALIFORNIA On Max. 29, 2002 before me, ferral Likins personally appeared Ronen Vainish personally innown 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, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
Ronen Vainish STATE OF CALIFORNIA Ss. COUNTY OF On Mark 29,2002, before me, feet a Likins personally appeared Ronen Vainish, 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, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
On Music 29, 2002, before me, feet in Liking Personally appeared Ronen Vainish, 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, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
personally appeared Ronen Vainish, 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, 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 PUBLIC
My Commission Expires: Mar. 27, 2002



Assignment Attorney Docket No.: 019186-002510US Page 3 Dated:	
2 (5) ESS E	Lars Rasmussen
STATE OF CALIFORNIA) SS. COUNTY OF	
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satisfactory evidence) to be the person whose name	before me, \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
WITNESS my hand and official seal.	JESSICA LIKINS Commission \$ 13381 Notary Public - Celifo: Alameda County My Comm. Expires Jan 8,
My Commission Expires: (hn. 8, 2002	
Dated: <u>JAN 31 2002</u>	Dayid Kushi
STATE OF CALIFORNIA) COUNTY OF) ss.	
satisfactory evidence) to be the person whose name	before me, <u>Jessica Likins</u> , personally known to me (or proved to me on the basis of is subscribed to the within instrument, and acknowledged to me d capacity, and that by his/her signature on the instrument the acted, executed the instrument.
WITNESS my hand and official seal.	
	NOTARY PUBLIC
My Commission Expires: Jan 8,2002	JESSICA LIKINS Commission # 1338171 Notary Public - California Alameda County My Comm. Expires Jan 8, 2006

Assignment				
Attorney Docket No.: 019186-00)2510US			
Page 4			تستنع يعتند	
/ /				
Dated: 02/01/ 2002		00/	2000	···
,		Serba	an Simu	
STATE OF CALIFORNIA)			
COLDENIA) ss.			
COUNTY OF)			
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		Current 110 22 24C	(Alameda County
My Commission Expires:	8 2000		j.	My Corren, Expires Jan 8, 20
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COLDIENT OD) SS.		3	•
COUNTY OF)			
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that he/she executed the same i				on the instrument the
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Attorney Docket No.: 019186-0	0231008	
Page 5		
Dani.		
Dated:		YD J
		Roberto Attias
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STATE OF CALIFORNIA)	
2017) SS.	
COUNTY OF)	
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personally appeared	Roberto Att	ias, personally known to me (or proved to me on the basis of
		ame is subscribed to the within instrument, and acknowledged to me
		rized capacity, and that by his/her signature on the instrument the
person, or the entity upon behalf	f of which the pe	erson acted, executed the instrument.
WITNESS my hand and official	. seal.	
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		NOTARY PUBLIC
My Commission Expires:		
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Dated: 3 Jan 2002		10 why thepe
		Michael Walfish
STATE OF CALIFORNIA)	
V.) ss.	
COUNTY OF)	
On Januar	4608,18 n	_, before me, Jessica Likins,
personally appeared	Michael Wa	alfish, personally known to me (or proved to me on the basis of
		ame is subscribed to the within instrument, and acknowledged to me
that he/she executed the same	in his/her autho	rized capacity, and that by his/her signature on the instrument the
person, or the entity upon behalf	f of which the p	erson acted, executed the instrument.
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My Commission Expires: Jan	8 2000	•
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		JESSICA LIKINS Commission # 1338171
		Notary Public - California
		Alameda County 7
		My Comm. Expires Jan 8, 2006
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Assignment Atterney Docket No.: 019186-002 Page 6	2510US	
Dated: 1-31-02		Diano Deruk Diane Hernek
STATE OF CALIFORNIA)	
COUNTY OF) ss.	,
satisfactory evidence) to be the per that he/she executed the same in	erson whose nan his/her authoris	, before me, <u>lessica Likins</u> , personally known to me (or proved to me on the basis of me is subscribed to the within instrument, and acknowledged to me me ced capacity, and that by his/her signature on the instrument the non acted, executed the instrument.
WITNESS my hand and official s	eal.	JESSICA LIKINS Commission 8 1338171 Notary Public - California Alameda County My Comm. Expires Jan 8, 20
My Commission Expirescion. 8	3,2602	
Dated:	_	John Byers
STATE OF CALIFORNIA	``	•
COUNTY OF) ss.	•
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		NOTARY PUBLIC
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Assignment Attorney Docket No.: 019186-002510US Page 4 Dated: 02/01/ Zec 2	- Lunding
	Serban Simu
STATE OF CALIFORNIA) ss.	
COUNTY OF)	
satisfactory evidence) to be the person whose name	, before me, JOSICA LIEMS _, personally known to me (or proved to me on the basis of is subscribed to the within instrument, and acknowledged to me d capacity, and that by his/her signature on the instrument the n acted, executed the instrument.
WITNESS my hand and official seal.	JESSICA LIKINS Commission \$ 1338171 Notary Public - Csliffornis Alameda County My Comm. Expires Jan 8, 2008
My Commission Expires: 200	
Dated: 3/23/2002	Advicu Temp Adrian Perrig
STATE OF CALIFORNIA) ss. COUNTY OF)	
satisfactory evidence) to be the person whose name	before me, Jonathan Maellering, notary field, personally known to me (or proved to me on the basis of e is subscribed to the within instrument, and acknowledged to me ed capacity, and that by his/ker signature on the instrument the on acted, executed the instrument.
WITNESS my hand and official seal.	
	NOTARY PUBLIC
My Commission Expires: 6-29-05	
	NONATHAN MOBILERING Commission & 1309484 Notary Public - California Alarneda County My Corrm. Expires Jun 25, 2005

Assignment Attorney Docket No.: 019186-002510US Page 5
Dated: 03/27/2002
STATE OF CALIFORNIA) COUNTY OF CONTRA COSM) ss.
On MARCH 22 2002, before me, JOHNNY L-BURNETT, personally appeared Roberto Attias, 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 were that the person, or the entity upon behalf of which the person acted, executed the instrument.
WITNESS my hand and official seal. January January
My Commission Expires: NOV 18, 2003
Dated: 3 Jan 2002 Michael Walfish
STATE OF CALIFORNIA)) ss. COUNTY OF)
on Signature Signature Signature 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, 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. NOPARY PUBLIC
My Commission Expires: Jan 8, 2000 JESSICA LIKINS Commission # 1338171 Notary Public - California # Alameda County My Comm. Expires Jan 8, 2008

Assignment Attorney Docket No.: 019186-002510US Page 6	
Dated: 1-31-02	Diane Hernek
STATE OF CALIFORNIA) ss.	
COUNTY OF)	
satisfactory evidence) to be the derson whose i	, before me, <u>lessica Likins</u> , personally known to me (or proved to me on the basis of name is subscribed to the within instrument, and acknowledged to me orized capacity, and that by his/her signature on the instrument the person acted, executed the instrument.
WITNESS my hand and official seal.	JESSICA LIKINS Commission # 1338 Notary Public - Calif Alameda County My Comm. Expires Jan
My Commission Expirest Jan. 8, 2002	in the first the
Dated: 3/26/62 Massichusells STATE OF GALIFORNIA COUNTY OF Middle Ser	John Byers s.
On 3-26-02 personally appeared John Byer satisfactory evidence) to be the person whose	before me,
WITNESS my hand and official seal.	NOTARY PUBLIC
My Commission Expires:	
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Notary Public, Massachusetts My Commission Expires July 19, 2002

JOHN M. SUUSA

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RECORDED: 05/07/2009