Electronic Version v1.1 Stylesheet Version v1.1

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Fastforward Networks, Inc.	05/02/2006

RECEIVING PARTY DATA

Name:	Yahoo! Inc.				
Street Address:	First Avenue				
City:	Sunnyvale				
State/Country:	CALIFORNIA				
Postal Code:	94089				

PROPERTY NUMBERS Total: 17

Property Type	Number
Application Number:	60172746
Patent Number:	6785704
Application Number:	10912840
Application Number:	60137160
Patent Number:	6735633
Application Number:	60137153
Patent Number:	6850987
Application Number:	10618369
Application Number:	60115454
Application Number:	10299676
Application Number:	10600142
Application Number:	60152257
Patent Number:	6415323
Patent Number:	6901445
Application Number:	60217250
	DATENT

PATENT REEL: 018015 FRAME: 0494

500132055

Patent Number:	6826564
Application Number:	10767227

CORRESPONDENCE DATA

Fax Number: (312)321-4299

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

Phone: 312-321-4200

Email: mdolinski@usebrinks.com

Correspondent Name: John G. Rauch, by Michele Dolinski

Address Line 1: P.O. Box 10395

Address Line 2: Brinks Hofer Gilson & Lione
Address Line 4: Chicago, ILLINOIS 60610

ATTORNEY DOCKET NUMBER:	12729-184
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NAME OF SUBMITTER: John G. Rauch, Reg. No. 37,218

Total Attachments: 6

source=Fastforward Networks to Yahoo! Inc. - Assignment#page1.tif source=Fastforward Networks to Yahoo! Inc. - Assignment#page2.tif source=Fastforward Networks to Yahoo! Inc. - Assignment#page3.tif source=Fastforward Networks to Yahoo! Inc. - Assignment#page4.tif source=Fastforward Networks to Yahoo! Inc. - Assignment#page5.tif source=Fastforward Networks to Yahoo! Inc. - Assignment#page6.tif

PATENT REEL: 018015 FRAME: 0495

PATENT ASSIGNMENT

This patent assignment agreement ("Agreement") is entered into by and between Fastforward Networks, Inc. ("Seller"), a Delaware Corporation having an address 701 First Avenue, Sunnyvale, CA, 94089, and Yahoo! Inc. ("Yahoo!"), a Delaware corporation having an address at 701 First Avenue, Sunnyvale, CA 94089.

For good and valuable consideration, the receipt of which is hereby acknowledged, Seller hereby:

- (A) irrevocably assigns to Yahoo!:
 - (1) the entire right, title and interest, everywhere in the world to
 - (a) the issued patents and/or patent applications set forth on Exhibit 1,
 - (b) any patent applications and/or patents which may claim priority of the items in (a) (including but not limited to continuations, divisions, continuations-in-part, substitutes, reissues, reexaminations or extensions thereof, together with all priority rights and counterpart applications under any existing or future international patent conventions, agreements or treaties),
 - (c) any patent that may be granted on any patent application in (a) or (b), and
 - (d) any other rights in the inventions described in any of (a), (b) or (c); (all of the foregoing in (1), collectively, the "Assigned Patents");
 - (2) the right to sue third parties for infringement (including but not limited to damages and injunctive relief) of any of the foregoing in (1) accruing based on activities occurring prior to the execution date hereof; and
 - (3) any current or future right to receive royalties based on any of the foregoing in (1) or (2); (all of the foregoing in (A), collectively, the "Assigned Rights"); and
- (B) agrees upon request (and at the expense) of Yahoo! (or its successors, assigns or legal representatives) to, and if Seller is unable or unwilling to do so authorizes Yahoo! to act in Seller's name to:
 - (1) execute all oaths, assignments, powers and any other papers;
 - (2) testify in any proceeding; and

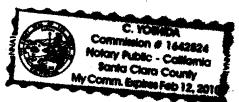
Date

(3) otherwise take any action, and fully cooperate with Yahoo!;

in each case, related to securing and enforcing Yahoo!'s rights related to this Agreement; and
(C) agrees to deliver to Yahoo! accurate copies of all material correspondence with counsel, in Seller's or its counsel's possession, relating to ownership, filing, prosecution, infringement, validity, or enforceability of, the Assigned Patents, to the extent such has not already been delivered.

For Seller by:	Notary Seal: State of California Cou
MyW Signature	Subscribed and sworn to (o
Michael Callahan	Before me on this Z day of A
Name 5-2-06	the basis of satisfactory eviden
Date	Signature Working
For Yahoo! Inc. by:	Notary Seal:
Signature Joseph Siino	*
Name 5/2/2006	_

-1-



to be the

PATENT

EXHIBIT 1 – PATENTS AND PATENT APPLICATIONS

Application	Patent	Date	Date	Country	Title	Inventors
Number 986628.6	Number	Filed 19-Dec-00	Issued	EP	A Content Distribution System for Operation	Steven McCanne
			·		Over an Internetwork Including Content Peering Arrangements	
50/172,746		20-Dec-99		US	Content Distribution System for Operations Over an Internetwork Including Content Peering Arrangement	Steven McCanne
09/609,442	6785704	03-Jul-00	31-Aug-04	US	A Content Distribution System for Operation Over an Internetwork Including Content Peering Arrangements	Steven McCanne
10/912,840		04-Aug-04		US	A Content Distribution System for Operation Over an Internetwork Including Content Peering Arrangements	Steven McCanne
00/34675		19-Dec-00		WO	A Content Distribution System for Operation Over an Internetwork Including Content Peering Arrangements	McCanne, Steven
941222.2		01-Jun-00		EP	Method and Device for Bandwidth Allocation	Abhay Parekh, Steven McCanne, William Welch
2001-500502		01-Jun-00		JP	Method and Device for Bandwidth Allocation	Abhay Parekh, Steven McCanne William Welch
2001-7015489		01-Jun-00		KR	Method and Device for Bandwidth Allocation	Abhay Parekh, Steven McCanne William Welch
60/137,160		01-Jun-99		US	System for Bandwidth Allocation in a Computer Network	Steven McCanne
09/384,865	6735633	27-Aug-99	11-May-04	US	Method and Device for Bandwidth Allocation	Abhay Parekh, Steven McCanne William Welch
10/767,227		28-Jan-04		US	System for Bandwidth Allocation in a Computer Network	Abhay Parekh, Steven McCanne William Welch

Application Number	Patent Number	Date Filed	Date Issued	Country	Title	Inventors
00/15415		01-Jun-00		wo	Method and Device for Bandwidth Allocation	Abhay Parekh, Steven McCanne, William Welch
938128.6	DE60008102T2	01-Jun-00	04-Feb-04	DE.	Method and Device for Multicasting	Andrew Swan, Steven McCanne
938128.6	1183820	01-Jun-00	04-Feb-04	EP	Method and Device for Multicasting	Andrew Swan, Steven McCanne
00/15417		01-Jun-00		FR	Method and Device for Multicasting	Andrew Swan, Steven McCanne
00/15417		01-Jun-00		GB	Method and Device for Multicasting	Andrew Swan, Steven McCanne
2001-500493		01-Jun-00		JP	Method and Device for Multicasting	Abhay Parekh, Steven McCanne, William Welch
2001-7015487		. 01-Jun-00		KR	Method and Device for Multicasting	Andrew Swan, Steven McCanne
60/137,153		01-Jun-99		US	System for Multipoint Infrastructure Transport in a Computer Network	Steven McCanne
09/412,815	6850987	05-Oct-99	01-Feb-05	US	System for Multipoint Infrastructure Transport in a Computer Network	Andrew Swan, Steven McCanne
10/618,369		10-Jul-03		US	System for Multipoint Infrastructure Transport in a Computer Network	Andrew Swan, Steven McCanne
00/15417		01-Jun-00		wo	Method and Device for Multicasting	Andrew Swan, Steven McCanne
60/115,454		11-Jan-99		US	System for Providing Application-Level Features to Multicast Routing in Computer Networks	Steven McCanne

Application	Patent	Date	Date	Country	Title	Inventors
Number	Number	Filed	Issued			
09/323,869	6611872	01-Jun-99	22-Aug-00	US	Performing Multicast Communication in Computer Networks by Using Overlay Routing	Steven McCanne
10/299,676		18-Nov-02		US	Performing Multicase Communication in Computer Networks by Using Overlay Routing	Steven McCanne
10/600,142		19-Jun-03		US	Performing Multicase Communication in Computer Networks by Using Overlay Routing	Steven McCanne
73415/00	771353	01-Sep-00	01-Jul-04	AU	Proximity-Based Redirection System for Robust and Scalable Service-Node Location in an Internetwork	Steven McCanne, William Destein
961467.8		01-Sep-00		EP	Proximity-Based Redirection System for Robust & Scalable Service-Node Location in an Internetwork	Steven McCanne, William Destein
2001-522165		01-Sep-00		JP	Proximity-Based Redirection System for Robust & Scalable Service-Node Location in an Internetwork	Steven McCanne, William Destein
2002-7002895		01-Sep-00	1 m m m m m m m m m m m m m m m m m m m	KR	Proximity-Based Redirection System for Robust & Scalable Service-Node Location in an Internetwork	Steven McCanne, William Destein
60/152,257		03-Sep-99		US	Proximity-Based Redirection System for Robust & Scalable Service-Nose Location in an Internetwork	Steven McCanne, William Destein
09/458,216	6415323	09-Dec-99	02-Jul-02	US	Proximity-Based Redirection System for Robust and Scalable Service-Node Location in an Internetwork	Steven McCanne, William Destein
10/188,350	6901445	01-Jul-02	`31-May-05	US	Proximity-Based Redirection System for Robust and Scalable Service-Node Location in an Internetwork	Steven McCanne, William Destein

Application Number	Patent Number	Date Filed	Date Issued	Country	Title	Inventors
00/24047		01-Sep-00		WO	Proximity-Based Redirection System for Robust & Scalable Service-Node Location in an Internetwork	Steven McCanne, William Destein
60/217,250		10-Jul-00		US	Scalable & Programmable Query Distribution & Collection in a Network of Queryable Devices	Kevin Lang, Matthew Podolsky, Nicholar Thompson, Steven McCanne, William Welch
09/900,704	6826564	06-Jul-01	30-Nov-04	US	Scalable and Programmable Query Distribution and Collection in a Network of Queryable Devices	Kevin Lang, Matthew Podolsky, Nicholas Thompson, Steven McCanne, William Welch
01/21938		10-Jul-01		WO	Scalable & Programmable Query Distribution & Collection in a Network of Queryable Devices	Kevin Lang, Matthew Podolsky, Nicholas Thompson, Steven McCanne, William Welch
Publication # WO 02/005141				WO	Network management arrangement with query aggregation	

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

On May 2,2006, before me, Clare Claprice Finney Notary, Name and Mise of Officer (e.g., Jame Dod, Rotary Public) personally appeared	State of California)
On	and Clark	SS.
Personally known to me	County of	J
Personally known to me proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. WITNESS my hand and official seal. Clare Calarace Place Notary Seal Above OPTIONAL Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document. Description of Attached Document Title or Type of Document: Talent Assignment Fastforward Network Document Date: May 2, 2006 Number of Pages: Signer(s) Other Than Named Above: Michael Callahan Capacity(ies) Claimed by Signer Signer's Name: Joseph Sino Individual Attorney in Fact Trustee Guardian or Conservator Other:	On May 2, 2006, before me, C	lare Colapsice Finney Notary, Name and Atle of Officer (e.g., "Jane Doe, Notary Public")
Personally known to me proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. WITNESS my hand and official seal. Clare Calarace Place Notary Seal Above OPTIONAL Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document. Description of Attached Document Title or Type of Document: Talent Assignment Fastforward Network Document Date: May 2, 2006 Number of Pages: Signer(s) Other Than Named Above: Michael Callahan Capacity(ies) Claimed by Signer Signer's Name: Joseph Sino Individual Attorney in Fact Trustee Guardian or Conservator Other:	personally appeared	Name(s) of Signer(s)
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Subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. WITNESS my hand and official seal. Clar Calance Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document. Description of Attached Document Title or Type of Document: Tatent Assignment Assignment Fastforward Network Number of Pages: Signer(s) Other Than Named Above: Michael Callahan Capacity(ies) Claimed by Signer Signer's Name: Joseph Individual Corporate Officer — Title(s): Vice President, Intellectual Pages Top of thumb here Guardian or Conservator Other:		☐ proved to me on the basis of satisfactory
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□ Individual □ Corporate Officer — Title(s): Vice President, Intellectual Property □ Partner — □ Limited □ General □ Attorney in Fact □ Trustee □ Guardian or Conservator □ Other:	Canacity(ica) Claimed by Signer	
☐ Individual ☐ Corporate Officer — Title(s): Vice President, Intellectual Property ☐ Partner — ☐ Limited ☐ General ☐ Attorney in Fact ☐ Trustee ☐ Guardian or Conservator ☐ Other:	Signer's Name: Joseph Sign	D . RIGHT THUMBPRINT
□ Partner — □ Limited □ General □ Attorney in Fact □ Trustee □ Guardian or Conservator □ Other:	☐ Individual / 0	OF SIGNER
□ Partner — □ Limited □ General □ Attorney in Fact □ Trustee □ Guardian or Conservator □ Other:	Corporate Officer — Title(s): Vice Pres	ident, Intellectual Property
☐ Trustee ☐ Guardian or Conservator ☐ Other:	☐ Partner — ☐ Limited ☐ General	
☐ Guardian or Conservator ☐ Other:		
Signer Is Representing: Yahoo! Inc.		-
Signer is Representing: 1000000000000000000000000000000000000	401001100	
	Signer is Representing:	

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