Form PTQ-1595 (Rev. 09/ 04) OMB No. 0651-0027 (exp. 6/30/2005)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office	
RECORDATION FOR		
PATENTS ONLY		
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.		
1. Name of conveying party(les)/Execution Date(s):	2. Name and address of receiving party(ies)	
BIKASH KOLEY (04/18/2011), VIJAYANAND VUSIRIKALA (04/15/2011), AND HONG LIU (04/18/2011)		
(04/10/2011)	Name: GOOGLE INC.	
	Internal Address:	
Execution Date(s): In parentheses after inventor name Additional name(s) of conveying party(ies) attached?	Street Address:	
3. Nature of Conveyance:	1600 AMPHITHEATRE PARKWAY	
X Assignment Merger		
Security Agreement Change of Name	City: MOUNTAIN VIEW	
Government Inlerest Assignment	State: CALIFORNIA	
Executive Order 9424, Confirmatory License	Country: United States of America Zip: 94043	
Other	Additional name(s) & addrees(es)	
4. Application or patent number(s): A. Patent Application No.(s) 13/089,437	his document is being filed together with a new application. B. Patent No.(\$)	
Additional numbers attached?	Yes X No	
<ol> <li>Name and address to whom correspondence concerning document should be mailed:</li> </ol>	6. Total number of applications and 1	
Name: Andrew T, Zidel LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LUP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00	
Internal Address: Atty, Dkt.: GOOGLE 3.0-219	Authorized to be charged by credit card	
Street Address: 600 South Avenue West	Authorized to be charged to deposit account     Enclosed     None required (government Interest not affecting title)	
City: Westfield	8. Payment Information	
State: NJ Zip: 07090	a. Credit Card Last 4 Numbers	
Phone Number:         (908) 518-6385           Fax Number:         (908) 654-0415	Expiration Date	
Fax Number:         (908) 654-0415           Email Address:         azidel@ldlkm.com	b. Deposit Account Number 12-1095 Authorized User Name Andrew T. Zidel	
9. Signature:		
	April 19, 2011	
Signature Signature	April 19, 2011 Date	
Andrew T. Zidel - 45,256 Name of Person Signing	Total number of pages including cover 4	

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ASSIGNMENT OF PATENT APPLICATION	GOOGLE 3.0-219
WHEREAS, I, <u>Bikash Koley</u> of <u>1550 Norland Drive: Sunn</u> Inventions or discoveries, the subject matter of which is described MULTIPLE ASYNCHRONOUS DATA STREAMS USING HIGHER Application"), WHEREAS (if the left box is checked), the Patent Applica Trademark Office on, Application/Number	In the patent application entitled "TRANSPORT OF ORDER MODULATION" (hereafter "Patent ation was filed with the U.S. Patent and , and
X WHEREAS (If the left box is checked), the Patent Applica Bikash Koley, Vilavanand Vusirikaja, and Hong Liu Mentilk, LLP, to insert in hare in brackets (Application No. <u>1.3/08</u> (the application number and filing date of the application when known	nereby suthorize Lemer, David, Littenberg, Krumholz & 9 . 437
WHEREAS, <u>Geogle Inc.</u> , incorporated or otherwise forme <u>Amphitheatre Parkway: Mountain View. California. 9/043</u> (hereafte acquired and is destrous of memorializing its acquisition further her	ar, the "assignee") is desirous of ecoulring, or hea
NOW, THEREFORE, for good and valuable consideration as follows. I agree to assign, and hereby do assign, to the assigned Assigned Applications in the United States of America and all other Patent Application, including any and all inventions, discoveries an continuation, continuation-in-part, substitute, release, re-examinate Patent Application pursuant to any law or freaty, and any patent iss do assign, to assignee the right to claim such priority or benefit. I in obligation to convey, my rights in the Assigned Applications to a thi Trademark Office, and any other governmental agency in the world Assigned Applications and to record essignee's ownership thereof.	e my entire right, litle and interest in and to the r countries, where "Assigned Applications" means the d other subject matter described therein, any division on or other application claiming priority or benefit to the huing from the foregoing. I agree to assign, and hereit have not previously conveyed, nor am I aware of an ird party. I hereby authorize the U.S. Patent and I. to issue to assignce all patents resulting from the
further remuneration, to execute and deliver documents prepared a such as testimony, as may be reasonably required to evidence or p Assignee may assign or transfer all or part of its rights set forth her affix its signature to this document as well as any other indicia of its herein is unenforceable, the requirements of the provision shall ren offending portions thereof shall be deemed replaced, to the extent (	It assignee's expense and to provide other cooperations protect assignee's rights in the Assigned Applications ein in its sole discretion. I agree that the assignee ma a acceptance of the provisions hereof. If any provision with to the full extent normals bloc by faw and the
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	Docket Number (Oplional)	
ASSIGNMENT OF PATENT APPLICATION	GOOGLE 3.0-219	
ASSIGNMENT OF PATENT APPLICATION		
do assign, to assignee the right to claim such priority or benefit. I have no obligation to convey, my rights in the Assigned Applications to a third part Trademark Office, and any other governmental agency in the world, to iss Assigned Applications and to record assignee's ownefship thereof. At ass further remuneration, to execute and deliver documents prepared at assig such as testimony, as may be reasonably required to evidence or protect Assignee may assign or transfer all or part of its rights set forth herein in it affix its signature to this document as well as any other indicia of its accep herein is unenforceable, the requirements of the provision shall remain to offending portions thereof shall be deemed replaced, to the extent possibil purpose of the offending provision.	At previously conveyed, nor am I aware of an y. I hereby authorize the U.S. Patent and ue to assignee all patents resulting from the signee's reasonable request 1 agree, without inee's expense and to provide other cooperation, assignee's rights in the Assigned Applications. Is sole discretion, 1 agree that the assignee may stance of the provisions hereof. If any provision the full extent permissible by law and the	
$\frac{04/15/2011}{(Date)}$	(Signature)	
Signature of Witness Fei Xue Printed Name of Witness		
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PATENT REEL: 026159 FRAME: 0844 .

ASSIGNMENT OF PATENT APPLICATION	Docket Number (Optional)		
	GOOGLE 3.0-219		
WHEREAS, I, <u>Hong Liu</u> of <u>1850 Webster Street; Palo Alto, California_94301</u> , have invented or discovered Inventions or discoveries, the subject matter of which is described in the patent application entitled "TRANSPORT OF MULTIPLE ASYNCHRONOUS DATA STREAMS USING HIGH ORDER MODULATION" (hereafter "Patent Application"),			
WHEREAS (if the left box is checked), the Patent Application was Trademark Office on, Application Number			
WHEREAS (If the left box is checked), the Platent Application names the following inventors: <u>Bikash Koley, Vijayenand Vusirikala, and Hong Liu</u> (and whereas I hereby authorize Lemer, David, Littenberg, Krumholz & Mentlik, LLP, to inset in here in brackets (Application No. <u>13/089,437</u> , filed on <u>April 19, 2011</u> ) the application number and filling date of the application/when known), and			
WHEREAS, <u>Google Inc.</u> , incorporated or otherwise formed in <u>Delaware</u> and having a place of business at <u>1600</u> <u>Amphilheatre Parkway; Mountain View, Celifornia 94043</u> (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;			
NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. Lagree to assign, and hereby do assign, to the assignee my entitle right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-pert, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and siny patent issuing from the foregoing. Lagree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hareby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request Lagree, without further remuneration, to execute and deliver documents prepared at assignee's reasonable request Lagree, without such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. Lagree that the assignee may affit its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.			
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(Date)	(Signature)		
Signature of Witness Ryohei Urata Printed Name of Witness			
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RECORDED: 04/19/2011