

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT5306324

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	KLJ CONSULTING LLC	03/23/2012
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	GOOGLE INC.	
<b>Street Address:</b>	1600 AMPHITHEATRE PARKWAY	
<b>City:</b>	MOUNTAIN VIEW	
<b>State/Country:</b>	CALIFORNIA	
<b>Postal Code:</b>	94043	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	16238471	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(208)975-6667	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
<b>Phone:</b>	208-813-3905	
<b>Email:</b>	travis@colbynipper.com	
<b>Correspondent Name:</b>	COLBY NIPPER / GOOGLE	
<b>Address Line 1:</b>	291 EAST SHORE DRIVE	
<b>Address Line 2:</b>	SUITE 200	
<b>Address Line 4:</b>	EAGLE, IDAHO 83616	
<b>ATTORNEY DOCKET NUMBER:</b>	553227USCON6	
<b>NAME OF SUBMITTER:</b>	MATTHEW JOHNSON, REG#72,299	
<b>SIGNATURE:</b>	/Matthew Johnson/	
<b>DATE SIGNED:</b>	01/02/2019	
<b>Total Attachments: 12</b>		
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## ASSIGNMENT OF PATENT RIGHTS

THIS ASSIGNMENT OF PATENT RIGHTS (the "**Assignment**") is executed, acknowledged and delivered by KLJ Consulting LLC, a Washington limited liability company, with its principal place of business at 1215 Fourth Avenue, Ste. 900, Seattle, WA 98161 ("**Assignor**"), in accordance with, and pursuant to the terms and conditions of the Patent Purchase Agreement having an Effective Date of April 2, 2012 (the "**Agreement**") between Assignor, as Seller and Google Inc., a Delaware corporation, with its principal place of business at 1600 Amphitheatre Parkway, Mountain View, CA 94043 ("**Assignee**"). Capitalized terms used herein and not expressly defined shall have the meaning ascribed to such terms in the Agreement.

**"Listed Patents"** means the provisional patent applications, patent applications, and patents listed on Exhibit A.

**"Listed Abandoned Patent Applications"** means the abandoned patent applications listed on Exhibit D.

**"Patents"** means, all (a) Listed Patents; (b) Listed Abandoned Patent Applications; (c) patents or patent applications (i) to which any of the Listed Patents claims priority, (ii) for which any of the Listed Patents forms a basis for priority, (iii) that were co-owned applications that incorporate by reference, or are incorporated by reference into, the Listed Patents or Listed Abandoned Patent Applications, and/or (iv) which are subject to a terminal disclaimer with any of the Listed Patents or Listed Abandoned Patent Applications; (d) reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, and registrations of any item in any of the foregoing categories (a)-(c); (e) national (of any country of origin) and multinational patents, patent applications and counterparts relating to any item in any of the foregoing categories (a) through (d), including, without limitation, certificates of invention and utility models; (f) rights provided by multinational treaties or conventions for any item in any of the foregoing categories (a) through (e); and (g) any items in any of the foregoing categories (c) through (e) whether or not expressly listed as Listed Patents or Listed Abandoned Patent Applications and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like. Notwithstanding the foregoing, neither U.S. provisional patent application no. 60/943,551, nor U.S. patent application no. 12/135,144 is included in the term "Patents" and, specifically, is not included in the patents or applications of (c)(iii) above.

### NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

For good and valuable consideration, the receipt of which is hereby acknowledged, Assignor agrees to and does hereby irrevocably sell, assign, transfer and convey unto said Assignee, and Assignee hereby accepts, all of Assignor's right, title, and interest (i) in and to the Patents, the same to be held and enjoyed by said Assignee for its own use, and for the use of its successors, assigns, or other legal representatives to the end of the term or terms for which said Patents may be granted as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made; (ii) in and to causes of action and enforcement rights for the Patents including all rights to pursue damages, injunctive relief and other remedies for past and future infringement of the Patents; and (iii) to apply in any and all countries for the world for patents; certificates of invention or other governmental grants for the Patents. Assignor also hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents or certificates of invention which may be granted upon any of the Patents in the name of Assignee, as the assignee to the entire interest therein.

Notwithstanding anything to the contrary herein, Assignor is executing and delivering this Assignment in accordance with and subject to all of the terms and provisions of the Agreement. In the event of any conflict between the terms of this Assignment and those of the Agreement, the terms of the Agreement shall be controlling.

This Assignment shall be binding upon and shall inure to the benefit of the parties and their respective successors and assigns.

This Assignment shall be governed by, and construed in accordance with, the laws of the United States in respect to patent issues and in all other respects by the laws of the State of California, without giving effect to the conflict of laws rules thereof.

23 day of March, 2012. **IN WITNESS WHEREOF**, Assignor has caused this Assignment to be executed as of this

**ASSIGNOR:**

KLJ CONSULTING LLC

By: 

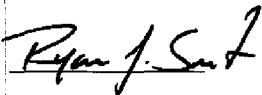
Name: Kent L. Johnson

Title: Manager of KLJ Consulting LLC, acting solely  
as receiver in Receivership of TeraHop Networks,  
Inc.

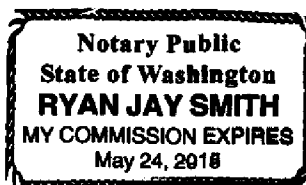
**NOTARIZATION MUST BE ON THIS PAGE**

Subscribed and sworn to before me this 23 day of March, 2012.

(Notarial Seal)

Signature: 

Notary Public



**EXHIBIT A**  
**LISTED PATENTS**

Docket Number	Serial Number	Patent Number
1015.004	9681282	6745027
1015.006	10604032	6934540
1015.012	10987884	7133704
1015.013	10987964	7155264
1015.026	11161540	7200132
1015.023	11161539	7209468
1015.011	10514336	7209771
1015.028	11161545	7221668
1015.072	11832979	7378957
1015.073	11832991	7378958
1015.075	11832998	7378959
1015.032	11306764	7391321
1015.035	11306765	7394361
1015.029	11161550	7430437
1015.106	11193300	7438334
1015.027	11161542	7522568
1015.037	11422304	7526381
1015.042	11422329	7529547
1015.081	11930753	7535339
1015.078	11930736	7538656
1015.079	11930740	7538657

1015.080	11930749	7538658
1015.049	11425040	7539520
1015.038	11422306	7542849
1015.050	11425047	7554442
1015.040	11423127	7563991
1015.047	11424849	7574168
1015.045	11424845	7574300
1015.046	11424847	7583769
1015.039	11422321	7650135
1015.055	11465796	7705747
1015.061	11610427	7733818
1015.128	12346448	7733944
1015.130	12353961	7742744
1015.165	12475395	7742745
1015.057	11555164	7742772
1015.058	11555173	7742773
1015.147	12367542	7746838
1015.048	11424850	7783246
1015.129	12346538	7822551
1015.107	11460976	7828342
1015.131	12347594	7828343
1015.135	12347668	7828344
1015.137	12347698	7828345
1015.138	12347714	7828346
1015.054	11465466	7830273

1015.102	12343865	7830850
1015.149	12367544	7830852
1015.168	12495716	7847676
1015.132	12347613	7883126
1015.136	12347684	7883127
1015.139	12347723	7883128
1015.133	12347635	7900980
1015.119	12343822	7904071
1015.063	11618931	7907941
1015.155	12410324	7912644
1015.134	12347658	7938459
1015.052	11428536	7940716
1015.089	11930793	7940717
1015.148	12367543	7940719
1015.090	11930797	7940736
1015.158	12436739	7941095
1015.167	12491301	8045929
1015.140	12349687	8050625
1015.166	12485789	8050668
1015.076	11847295	8068807
1015.195	12780823	8078139
1015.141	12349700	8095070
1015.114	12271850	8111651
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1015.171	12553062	
1015.172	12556538	
1015.174	12607040	
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1015.180	12684827	
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1015.188	12768065	
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1015.196	12783114	
1015.197	12813996	
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1015.199	12882574	
1015.200	12938934	
1015.201	12962866	
1015.202	13286363	
1015.203	13367341	

**EXHIBIT D****LISTED ABANDONED PATENT APPLICATIONS**

Docket Number	Serial Number	Filing Date	Title
1015.005	PCT/US01/49513	12/26/01	Network Formation in Asset-Tracking System Based on Asset Class
1015.009	PCT/US03/14987	5/14/03	LPRF Device Wake Up Using Wireless Tag
1015.014	60642632	1/10/05	Tracking and monitoring shipping container and content thereof
1015.015	60696159	7/1/05	Nondeterministic and deterministic network routing
1015.017	60691884	6/17/05	Remote sensor interface (RSI) stepped wake-up sequence
1015.018	60688737	6/8/05	Remote sensor interface (RSI) assembly
1015.019	60691718	6/17/05	Remote sensor interface (RSI) having power conservative transceiver for transmitting and receiving signals
1015.020	60687073	6/3/05	Network aided terrestrial triangulation using stars (NATTS)
1015.021	60687415	6/3/05	Class-based soft hand-off in wireless communications
1015.022	60691574	6/17/05	Event-driven mobile hazmat monitoring
1015.024	60595233	6/16/05	GPS JAMMER AND DENIAL DETECTOR SENSOR SYSTEM
1015.025	60709204	8/18/05	Pipeline monitoring
1015.030	60719061	9/21/05	Pipeline monitoring
1015.031	60596930	10/31/05	Determining Relative Elevation Using GPS and Ranging
1015.033	60766223	1/1/06	DETERMINING PRESENCE OF RADIO FREQUENCY COMMUNICATION DEVICE
1015.034	PCT/US06/00868	1/10/06	KEYHOLE COMMUNICATION DEVICE FOR TRACKING AND MONITORING SHIPPING

			CONTAINER AND CONTENTS THEREOF
1015.041	PCT/US06/21856	6/5/06	REMOTE SENSOR INTERFACE (RSI) STEPPED WAKE-UP SEQUENCE
1015.044	PCT/US06/21859	6/5/06	USING WAKE-UP RECEIVERS FOR SOFT HAND-OFF IN WIRELESS COMMUNICATIONS
1015.053	PCT/US06/26158	7/3/06	NONDETERMINISTIC AND DETERMINISTIC NETWORK ROUTING
1015.056	60891153	2/22/07	CLASS NETWORKED COMB JAMMING
1015.059	PCT/US06/60398	10/31/06	DETERMINING RELATIVE ELEVATION USING GPS AND RANGING
1015.062	PCT/US07/60002	1/1/07	DETERMINING PRESENCE OF RADIO FREQUENCY COMMUNICATION DEVICE
1015.069	60891008	2/21/07	CLASS BASED NETWORKING CONTROL
1015.070	60890990	2/21/07	CLASS BASED MESH NETWORKING
1015.083	11930770	10/31/07	RADIO FREQUENCY IDENTIFICATION SENSOR NETWORK
1015.085	11930779	10/31/07	RADIO FREQUENCY IDENTIFICATION BASED SENSOR
1015.086	11930782	10/31/07	METHOD IN A WIRELESS SENSOR READER FOR OBTAINING SENSOR DATA FROM A RADIO FREQUENCY ADDRESSABLE SENSOR
1015.087	11930785	10/31/07	METHOD IN A WIRELESS SENSOR READER FOR OBTAINING SENSOR DATA FROM A RADIO FREQUENCY ADDRESSABLE SENSOR
1015.095	PCT/US08/54630	2/21/08	WAKE-UP BROADCASTING INCLUDING NETWORK INFORMATION IN COMMON DESIGNATION AD HOC WIRELESS NETWORKING
1015.096	PCT/US08/54633	2/21/08	MESH NETWORK CONTROL USING COMMON DESIGNATION WAKE-UP
1015.100	61053665	5/16/08	SYSTEMS AND APPARATUS FOR SECURING A CONTAINER
1015.105	61140887	12/25/08	UPDATING NODE PRESENCE BASED ON COMMUNICATION PATHWAY

1015.108	12245600	10/3/08	BOLT-TYPE SEAL WITH USB INTERFACE FOR USE WITH SHIPPING CONTAINERS
1015.109	61109500	10/29/08	SYSTEMS AND APPARATUS FOR MANAGING AND MONITORING EMERGENCY SERVICES SECTOR RESOURCES
1015.109xx	61109504	10/30/08	SYSTEMS AND APPARATUS FOR MANAGING AND MONITORING EMERGENCY SERVICES SECTOR RESOURCES
1015.110	61109494	10/29/08	SYSTEMS FOR SEALING AND MONITORING SHIPPING CONTAINERS
1015.111	61109496	10/29/08	SYSTEMS AND APPARATUS FOR MANAGING AND SECURING CONSTRUCTION AND RENTAL EQUIPMENT
1015.112	61109505	10/30/08	SYSTEMS AND APPARATUS FOR MANAGING AND MONITORING EMERGENCY SERVICES SECTOR RESOURCES
1015.113	61109502	10/29/08	SYSTEMS AND APPARATUS FOR MANAGING AND MONITORING EMERGENCY SERVICES SECTOR RESOURCES
1015.121	61140880	12/25/08	MERGING AND UN-MERGING WIRELESS AD-HOC NETWORKS
1015.122	61140881	12/25/08	AUTOMATED IDENTIFICATION OF RADIO CHANNELS FOR INTEROPERABILITY CONNECTIONS
1015.123	61140882	12/25/08	CUSTOMER CONTROL OF DEVICE OPERATION IN A SHARED NETWORK ENVIRONMENT
1015.124	61140883	12/25/08	INPUT/OUTPUT ENHANCEMENTS FOR COMPUTER AIDED DISPATCH AND AUTOMATED CALL-OUT SYSTEMS
1015.125	61140884	12/25/08	RECEIVER STATE ESTIMATION IN A DUTY CYCLED RADIO
1015.126	61140888	12/25/08	COMMENTS/ENHANCEMENTS/IMPROVEMENTS TO THE CONTAINER SECURITY SYSTEMS, APPARATUS AND METHODS DISCLOSED IN US PATENT APPL PUBL 20080315596
1015.127	61141021	12/29/08	METHODS, SYSTEMS, AND APPARATUS FOR PROVIDING NETWORK SERVICES

1015.144	61147917	1/28/09	ASCERTAINING PRESENCE IN CLASS-BASED NETWORKS
1015.144x	61147875	1/28/09	ASCERTAINING PRESENCE IN CLASS-BASED NETWORKS
1015.145	61147839	1/28/09	NETWORK BEACONING
1015.146	61150298	2/5/09	CONJOINED CLASS-BASED NETWORKING
1015.150	61151168	2/9/09	BINDING SHIPPING CONTAINER ID, BOLT ID, AND RSN ID IN SECURITY MONITORING AND ASSET TRACKING SYSTEMS
1015.151	61151185	2/9/09	SYSTEMS AND APPARATUS FOR MANAGING AND MONITORING EMERGENCY SERVICES SECTOR RESOURCES
1015.154	61155887	2/26/09	ADAPTIVE BEACONING
1015.157	61172655	4/24/09	LOCALIZATION USING HOP-PATH INFORMATION
1015.160	PCT/US09/44276	5/16/09	SYSTEMS AND APPARATUS FOR SECURING A CONTAINER
1015.159	PCT/US09/44277	5/16/09	Securing, Monitoring and Tracking Shopping Containers
1015.170	12507017	7/21/09	ALL WEATHER HOUSING ASSEMBLY FOR ELECTRONIC COMPONENTS
1015.173	61254126	10/22/09	PRE-ASSIGNMENT OF RESOURCES
1015.175	PCT/US09/62655	10/29/09	NETWORK AND APPLICATION MERGING AND ASSET TRACKING
1015.183	12701451	2/5/10	CONJOINED CLASS-BASED NETWORKING
1015.007 Twitchell	EP 010274467	2001/12/26 Filed	Network Formation in Asset-Tracking System Based on Asset Class
1015.010 Twitchell	EP 030753022	2004/12/14 Filed	LPRF Device Wake Up Using Wireless Tag
1015.074 Twitchell	EP 060733670	2007/08/07 Filed	Keyhole Communication Device for Tracking and Monitoring Shipping and Container and Contents Thereof
1015.092	EP 060784597	2008/01/03	Remote Sensor Interface (RSI) Stepped Wake-Up

Twitchell		Filed	Sequence
1015.093 Twitchell	EP 060772239	2008/01/03 Filed	Using Wake-Up Receivers for Soft Hand-Off in Wireless Communications
1015.094 Twitchell	EP 060786343	2008/02/01 Filed	Deterministic and Nondeterministic Network Routing Based on PCT/US06/26158
1015.102 Twitchell	EP 070863307	2008/07/21 Filed	Determining Presence of Radio Frequency Communication Device