

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	MAPQUEST, INC.	08/28/2018
RECEIVING PARTY DATA		
Name:	VERIZON PATENT AND LICENSING INC.	
Street Address:	ONE VERIZON WAY	
City:	BASKING RIDGE	
State/Country:	NEW JERSEY	
Postal Code:	07920	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16797759
CORRESPONDENCE DATA		
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ATTORNEY DOCKET NUMBER:	20180181C1	
NAME OF SUBMITTER:	BLAINE B. BASSETT	
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DATE SIGNED:	02/21/2020	
Total Attachments: 9		
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ASSIGNMENT

This ASSIGNMENT is effective as of August 28, 2018 between MapQuest, Inc., a corporation existing under the laws of the state of Delaware and having an office located at 1555 Blake Street, 3rd Floor, Denver, Colorado 80202 (hereinafter "ASSIGNOR"), and Verizon Patent and Licensing Inc., a corporation existing under the laws of Delaware and having an office located at One Verizon Way, Basking Ridge, New Jersey 07920 (hereinafter "ASSIGNEE").

WHEREAS, ASSIGNEE is desirous of acquiring ownership of the United States and/or foreign Letters Patent and Applications for Letters Patent identified in Schedule A, as well as any legal equivalents and counterparts thereof in all countries or jurisdictions worldwide (whether listed on Schedule A or not), and the inventions disclosed therein (all hereinafter referred to as the "Patent Assets").

WHEREAS, ASSIGNOR is desirous of granting to ASSIGNEE its ownership of the aforesaid Patent Assets.

NOW, THEREFORE, in consideration of the premises and the mutual covenants set forth herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by ASSIGNOR and ASSIGNEE, and subject to any rights and licenses under the Patent Assets granted to third parties on or before the effective date hereof, ASSIGNOR does hereby assign unto ASSIGNEE (a) all worldwide right, title and interest of ASSIGNOR in and to the Patent Assets (subject, however, to applicable patent laws in the respective countries or jurisdictions issuing such Patent Assets), the right to claim priority therefrom, and in and to all additional Letters Patent worldwide to be obtained from such Patent Assets and from any future applications, continuations, divisions, renewals, extensions, substitutes, reissues or re-examinations which claim priority therefrom, each and all to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the terms for which any such Letters Patent are granted, plus any extensions, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment not been made; and (b) all claims for past and future infringements of said Patent Assets, with the right to sue for and obtain all remedies for such infringements (including past and future damages and equitable relief) for its own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives.

ASSIGNOR authorizes and requests the United States Commissioner of Patents and Trademarks (or similar official) to issue any and all United States Letters Patent resulting from the Patent Assets or any divisions, reissues, continuations, renewals, extensions, substitutes or re-examinations thereof to ASSIGNEE as assignee of ASSIGNOR's interest therein. ASSIGNOR further appoints ASSIGNEE as ASSIGNOR's attorney-in-fact (such appointment being irrevocable and coupled with the interest in the Patent Assets), with full authority in the place and stead of ASSIGNOR and in the name of ASSIGNOR from time to time to take any action and to execute any document which ASSIGNEE may deem reasonably necessary or advisable to accomplish the purposes of this ASSIGNMENT, including the execution and filing of confirmatory assignments, powers of attorney, declarations of transfer, or other documents relative to any of the Patent Assets in the name of ASSIGNOR where permitted by law.

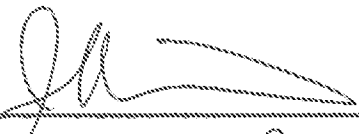
ASSIGNOR
MapQuest, Inc.



Name: Christy K. Reyes

Title: Assistant Secretary

ASSIGNEE
Verizon Patent and Licensing Inc.



Name: JOSEPH PAMIEXI

Title: VICE PRESIDENT

SCHEDULE A

FILE NUMBER	CTRY	APP NO	FILINGDATE	PATENT NO	TITLE
20060421PR1	US	60746569	05-May-06		IDENTIFYING A ROUTE RESPONSIVE TO MULTIPLE OBJECTIVES
20060421PR2	US	60829695	16-Oct-06		IDENTIFYING A ROUTE CONFIGURED TO TRAVEL THROUGH MULTIPLE POINTS OF INTEREST
20070598	US	12246413	06-Oct-08	8671355	METHODS AND SYSTEMS FOR DECLUTTERING ICONS REPRESENTING POINTS OF INTEREST ON A MAP
20070598C1	US	14061090	23-Oct-13	9417764	METHODS AND SYSTEMS FOR DECLUTTERING ICONS REPRESENTING POINTS OF INTEREST ON A MAP
20070598PR1	US	60978102	05-Oct-07		GEOGRAPHIC MAP ICON CLUTTER REDUCTION
20080573	US	12153640	22-May-08	8515674	SYSTEMS AND METHODS FOR COLLECTING AND USING USER-CONTRIBUTED MAP DATA
20080573C1	US	13957732	02-Aug-13	9568324	SYSTEMS AND METHODS FOR COLLECTING AND USING USER-CONTRIBUTED MAP DATA
20090769	US	12458376	09-Jul-09		SYSTEMS AND METHODS FOR DECLUTTERING ELECTRONIC MAP DISPLAYS
20090769	EP	10797641.7	01-Jul-10		SYSTEMS AND METHODS FOR DECLUTTERING ELECTRONIC MAP DISPLAYS
20090769	WO	PCT/US2010/040716	01-Jul-10		SYSTEMS AND METHODS FOR DECLUTTERING ELECTRONIC MAP DISPLAYS
20090770	US	12458545	15-Jul-09	8406997	SYSTEMS AND METHODS FOR IMPROVED GENERATION OF TEXTUAL DIRECTIONS BASED ON POSITIONAL INFORMATION
20090770	WO	PCT/US2010/041920	14-Jul-10		SYSTEMS AND METHODS FOR IMPROVED GENERATION OF TEXTUAL DIRECTIONS BASED ON POSITIONAL INFORMATION
20090770	EP	10736924.1	14-Jul-10		SYSTEMS AND METHODS FOR IMPROVED GENERATION OF TEXTUAL DIRECTIONS BASED ON POSITIONAL INFORMATION
20090770C1	US	13850257	25-Mar-13	8825405	SYSTEMS AND METHODS FOR IMPROVED GENERATION OF TEXTUAL DIRECTIONS BASED ON POSITIONAL INFORMATION
20090770C2	US	14474259	01-Sep-14	9746337	SYSTEMS AND METHODS FOR IMPROVED GENERATION OF TEXTUAL DIRECTIONS BASED ON POSITIONAL INFORMATION
20090771	US	12968223	14-Dec-10	8458173	COMPUTER-IMPLEMENTED METHODS AND SYSTEMS FOR MULTI-LEVEL GEOGRAPHIC QUERY
20090771	EP	10798879.2	14-Dec-10		COMPUTER-IMPLEMENTED METHODS AND SYSTEMS FOR MULTI-LEVEL GEOGRAPHIC QUERY
20090771	WO	PCT/US2010/060224	14-Dec-10		MULTI-LEVEL GEOGRAPHIC QUERY AND RANKING SYSTEM
20090771C1	US	13890646	09-May-13	9031938	COMPUTER-IMPLEMENTED METHODS AND SYSTEMS FOR MULTI-LEVEL GEOGRAPHIC QUERY
20090771C2	US	14700934	30-Apr-15	9430510	COMPUTER-IMPLEMENTED METHODS AND SYSTEMS FOR MULTI-LEVEL GEOGRAPHIC QUERY

Recordable Patent Assignment

20090771PR1	US	61286694	15-Dec-09		COMPUTER-IMPLEMENTED METHODS AND SYSTEMS FOR MULTI-LEVEL GEOGRAPHIC
20090772	US	12982356	30-Dec-10	8681635	COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR PLANNING A ROUTE
20090772C1	US	14223954	24-Mar-14	9557182	COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR PLANNING A ROUTE
20090772PR1	US	61291798	31-Dec-09		COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR PLANNING A ROUTE
20111129	US	13019801	02-Feb-11	8669884	SYSTEMS AND METHODS FOR GENERATING ELECTRONIC MAP DISPLAYS WITH POINTS-OF-INTEREST INFORMATION
20111129	WO	PCT/US2012/022658	26-Jan-12		SYSTEMS AND METHODS FOR GENERATING ELECTRONIC MAP DISPLAYS WITH POINTS-OF-INTEREST INFORMATION
20111129	EP	12703203.5	26-Jan-12	2671049	SYSTEMS AND METHODS FOR GENERATING ELECTRONIC MAP DISPLAYS WITH POINTS-OF-INTEREST INFORMATION
20111129	GB	12703203.5	26-Jan-12	2671049	SYSTEMS AND METHODS FOR GENERATING ELECTRONIC MAP DISPLAYS WITH POINTS-OF-INTEREST INFORMATION
20111129	FR	12703203.5	26-Jan-12	2671049	SYSTEMS AND METHODS FOR GENERATING ELECTRONIC MAP DISPLAYS WITH POINTS-OF-INTEREST INFORMATION
20111129	DE	12703203.5	26-Jan-12	602012004789.5	SYSTEMS AND METHODS FOR GENERATING ELECTRONIC MAP DISPLAYS WITH POINTS-OF-INTEREST INFORMATION
20111129C1	US	14178202	11-Feb-14	9400189	SYSTEMS AND METHODS FOR GENERATING ELECTRONIC MAP DISPLAYS WITH POINTS-OF-INTEREST INFORMATION
20111129C2	US	15206206	08-Jul-16	9829330	SYSTEMS AND METHODS FOR GENERATING ELECTRONIC MAP DISPLAYS WITH POINTS-OF-INTEREST INFORMATION
20111129D1	EP	14193951.2	26-Jan-12		SYSTEMS AND METHODS FOR GENERATING ELECTRONIC MAP DISPLAYS WITH POINTS-OF-INTEREST INFORMATION
20111130	US	13019849	02-Feb-11	8810437	SYSTEMS AND METHODS FOR GENERATING ELECTRONIC MAP DISPLAYS WITH POINTS-OF-INTEREST INFORMATION BASED ON REFERENCE LOCATIONS
20111130	WO	PCT/US2012/023224	31-Jan-12		SYSTEMS AND METHODS FOR GENERATING ELECTRONIC MAP DISPLAYS WITH POINTS-OF-INTEREST INFORMATION BASED ON REFERENCE LOCATIONS
20111130	EP	12708067.9	31-Jan-12		SYSTEMS AND METHODS FOR GENERATING ELECTRONIC MAP DISPLAYS WITH POINTS-OF-INTEREST INFORMATION BASED ON REFERENCE LOCATIONS
20111130C1	US	14292729	30-May-14	9791292	SYSTEMS AND METHODS FOR GENERATING ELECTRONIC MAP DISPLAYS WITH POINTS-OF-INTEREST INFORMATION BASED ON REFERENCE LOCATIONS
20111130C2	US	14965989	11-Dec-15	9885582	SYSTEMS AND METHODS FOR GENERATING ELECTRONIC MAP DISPLAYS WITH POINTS-OF-

Recordable Patent Assignment

					INTEREST INFORMATION BASED ON REFERENCE LOCATIONS
20111131	US	13019646	02-Feb-11	8681022	SYSTEMS AND METHODS FOR GENERATING ELECTRONIC MAP DISPLAYS WITH POINTS-OF-INTEREST INFORMATION BASED ON DENSITY THRESHOLDS
20111131	WO	PCT/US2012/023232	31-Jan-12		SYSTEMS AND METHODS FOR GENERATING ELECTRONIC MAP DISPLAYS WITH POINTS-OF-INTEREST INFORMATION BASED ON DENSITY THRESHOLDS
20111131	EP	12708068.7	31-Jan-12	2671051	SYSTEMS AND METHODS FOR GENERATING ELECTRONIC MAP DISPLAYS WITH POINTS-OF-INTEREST INFORMATION BASED ON DENSITY THRESHOLDS
20111131	DE	12708068.7	31-Jan-12	602012003507.2	SYSTEMS AND METHODS FOR GENERATING ELECTRONIC MAP DISPLAYS WITH POINTS-OF-INTEREST INFORMATION BASED ON DENSITY THRESHOLDS
20111131	FR	12708068.7	31-Jan-12	2671051	SYSTEMS AND METHODS FOR GENERATING ELECTRONIC MAP DISPLAYS WITH POINTS-OF-INTEREST INFORMATION BASED ON DENSITY THRESHOLDS
20111131	GB	12708068.7	31-Jan-12	2671051	SYSTEMS AND METHODS FOR GENERATING ELECTRONIC MAP DISPLAYS WITH POINTS-OF-INTEREST INFORMATION BASED ON DENSITY THRESHOLDS
20111131C1	US	14178225	11-Feb-14	9228849	SYSTEMS AND METHODS FOR GENERATING ELECTRONIC MAP DISPLAYS WITH POINTS-OF-INTEREST INFORMATION BASED ON DENSITY THRESHOLDS
20111131C2	US	14952485	25-Nov-15	9746342	SYSTEMS AND METHODS FOR GENERATING ELECTRONIC MAP DISPLAYS WITH POINTS-OF-INTEREST INFORMATION BASED ON DENSITY THRESHOLDS
20111132	EP	12007099.0	12-Oct-12	2581703	SYSTEMS AND METHODS FOR RANKING POINTS OF INTEREST
20111132	US	13650657	12-Oct-12	8983973	SYSTEMS AND METHODS FOR RANKING POINTS OF INTEREST
20111132	FR	12007099.0	12-Oct-12	2581703	SYSTEMS AND METHODS FOR RANKING POINTS OF INTEREST
20111132	DE	12007099.0	12-Oct-12	602012032463.5	SYSTEMS AND METHODS FOR RANKING POINTS OF INTEREST
20111132	GB	12007099.0	12-Oct-12	2581703	SYSTEMS AND METHODS FOR RANKING POINTS OF INTEREST
20111132C1	US	14615576	06-Feb-15	9703804	SYSTEMS AND METHODS FOR RANKING POINTS OF INTEREST
20111132PR1	US	61546526	12-Oct-11		SYSTEMS AND METHODS FOR RANKING POINTS OF INTEREST
20121121	EP	12818841.4	13-Dec-12		SYSTEMS AND METHODS FOR LOCATION-BASED ADVERTISING
20121121	WO	PCT/US2012/069447	13-Dec-12		SYSTEMS AND METHODS FOR LOCATION-BASED ADVERTISING

Recordable Patent Assignment

20121121	US	13714185	13-Dec-12		SYSTEMS AND METHODS FOR LOCATION-BASED ADVERTISING
20121121PR1	US	61666310	29-Jun-12		SYSTEMS AND METHODS FOR LOCATION-BASED ADVERTISING
20131417	US	13836903	15-Mar-13	9529855	SYSTEMS AND METHODS FOR POINT OF INTEREST DATA INGESTION
20131417	EP	14000926.7	13-Mar-14		SYSTEMS AND METHODS FOR POINT OF INTEREST DATA INGESTION
20131418	US	13841764	15-Mar-13	9740767	SYSTEMS AND METHODS FOR ANALYZING FAILED AND SUCCESSFUL SEARCH QUERIES
20131418	WO	PCT/US2014/022421	10-Mar-14		SYSTEMS AND METHODS FOR ANALYZING FAILED AND SUCCESSFUL SEARCH QUERIES
20131419	US	13887097	03-May-13	9317608	SYSTEMS AND METHODS FOR PARSING SEARCH QUERIES
20131419	EP	14729780.8	30-Apr-14		SYSTEMS AND METHODS FOR PARSING SEARCH QUERIES
20131419	WO	PCT/US2014/036072	30-Apr-14		SYSTEMS AND METHODS FOR PARSING SEARCH QUERIES
20131419C1	US	15008354	27-Jan-16	9798776	SYSTEMS AND METHODS FOR PARSING SEARCH QUERIES
20131420	US	14270317	05-May-14		SYSTEMS AND METHODS FOR PROCESSING GEOGRAPHIC DATA
20131420PR1	US	61820156	06-May-13		SYSTEMS AND METHODS FOR PROCESSING GEOGRAPHIC DATA
20131421	US	13954406	30-Jul-13	9785676	SYSTEMS AND METHODS FOR PROVIDING ORDERED RESULTS FOR SEARCH QUERIES
20131421	WO	PCT/US2014/046104	10-Jul-14		SYSTEMS AND METHODS FOR PROVIDING ORDERED RESULTS FOR SEARCH QUERIES
20131422	US	13966047	13-Aug-13	9304007	SYSTEMS AND METHODS FOR PROVIDING MAPPING SERVICES INCLUDING ROUTE BREAK POINT RECOMMENDATIONS
20131422	WO	PCT/US2014/048848	30-Jul-14		SYSTEMS AND METHODS FOR PROVIDING MAPPING SERVICES INCLUDING ROUTE BREAK POINT RECOMMENDATIONS
20131422C1	US	15054656	26-Feb-16	9909886	SYSTEMS AND METHODS FOR PROVIDING MAPPING SERVICES INCLUDING ROUTE BREAK POINT RECOMMENDATIONS
20131423	US	13966119	13-Aug-13	9471596	SYSTEMS AND METHODS FOR PROCESSING SEARCH QUERIES UTILIZING HIERARCHICALLY ORGANIZED DATA
20131423	EP	14753415.0	06-Aug-14		SYSTEMS AND METHODS FOR PROCESSING SEARCH QUERIES UTILIZING HIERARCHICALLY ORGANIZED DATA
20131423	WO	PCT/US2014/049890	06-Aug-14		SYSTEMS AND METHODS FOR PROCESSING SEARCH QUERIES UTILIZING HIERARCHICALLY ORGANIZED DATA
20131424	US	14041971	30-Sep-13		METHODS AND SYSTEMS FOR DEFINING TARGETED GEOGRAPHIC ZONES FOR DELIVERING ELECTRONIC CONTENT
20131424	WO	PCT/US2014/057755	26-Sep-14		METHODS AND SYSTEMS FOR DEFINING TARGETED GEOGRAPHIC ZONES FOR DELIVERING ELECTRONIC CONTENT

Recordable Patent Assignment

20131425	WO	PCT/US2014/060603	15-Oct-14		METHODS AND SYSTEMS FOR INITIATING MAPPING EXIT ROUTINES AND RATING HIGHWAY EXITS
20131425	US	14055202	16-Oct-13	9435660	SYSTEMS AND METHODS FOR INITIATING MAPPING EXIT ROUTINES AND RATING HIGHWAY EXITS
20131425C1	US	15232156	09-Aug-16		SYSTEMS AND METHODS FOR INITIATING MAPPING EXIT ROUTINES AND RATING HIGHWAY EXITS
20131426	US	14066387	29-Oct-13		METHODS AND SYSTEMS FOR DELIVERING ELECTRONIC CONTENT TO USERS IN POPULATION BASED GEOGRAPHIC ZONES
20131426	WO	PCT/US2014/062583	28-Oct-14		METHODS AND SYSTEMS FOR DELIVERING ELECTRONIC CONTENT TO USERS IN POPULATION BASED GEOGRAPHIC ZONES
20131427	US	14066478	29-Oct-13	9253198	SYSTEMS AND METHODS FOR GEOLOCATION-BASED AUTHENTICATION AND AUTHORIZATION
20131427	WO	PCT/US2014/062636	28-Oct-14		SYSTEMS AND METHODS FOR GEOLOCATION-BASED AUTHENTICATION AND AUTHORIZATION
20131427C1	US	14928553	30-Oct-15	9622077	SYSTEMS AND METHODS FOR GEOLOCATION-BASED AUTHENTICATION AND AUTHORIZATION
20131427C2	US	15483616	10-Apr-17	9961088	SYSTEMS AND METHODS FOR GEOLOCATION-BASED AUTHENTICATION AND AUTHORIZATION
20131428	US	14067893	30-Oct-13	9792378	COMPUTERIZED SYSTEMS AND METHODS FOR IDENTIFYING A CHARACTER STRING FOR A POINT OF INTEREST
20131428	WO	PCT/US2014/060814	16-Oct-14		COMPUTERIZED SYSTEMS AND METHODS FOR IDENTIFYING A CHARACTER STRING FOR A POINT OF INTEREST
20131429	US	14099101	06-Dec-13	9866997	SYSTEMS AND METHODS FOR GEO-LOCATION BASED MESSAGE STREAMS
20131429	WO	PCT/US2014/067695	26-Nov-14		SYSTEMS AND METHODS FOR GEO-LOCATION BASED MESSAGE STREAMS
20141725	US	14161636	22-Jan-14	9377323	SYSTEMS AND METHODS FOR USING ROUTE MATRICES FOR IDENTIFYING INTERSECTION POIS
20141725C1	US	15168994	31-May-16	10066960	SYSTEMS AND METHODS FOR USING ROUTE MATRICES FOR IDENTIFYING INTERSECTION POIS
20141726	US	14242651	01-Apr-14	9739631	METHODS AND SYSTEMS FOR AUTOMATICALLY PROVIDING POINT OF INTEREST INFORMATION BASED ON USER INTERACTION
20141727	US	14473420	29-Aug-14	9689705	SYSTEMS AND METHODS FOR ELECTRONIC DISPLAY OF VARIOUS CONDITIONS ALONG A NAVIGATION ROUTE
20141728	US	14473497	29-Aug-14	9212918	SYSTEMS AND METHODS FOR GENERATING AND DISPLAYING MULTIPLE LAYERS ON A DIGITAL MAP
20141728C1	US	14887535	20-Oct-15	9581462	SYSTEMS AND METHODS FOR GENERATING AND DISPLAYING MULTIPLE LAYERS ON A DIGITAL MAP
20141729	US	14474261	01-Sep-14	9811559	COMPUTERIZED SYSTEMS AND METHODS FOR IDENTIFYING POINTS-OF-INTEREST USING CUSTOMIZED QUERY PREDICTION

Recordable Patent Assignment

20141729	EP	15182611.2	26-Aug-15		IDENTIFYING POINTS-OF-INTEREST USING CUSTOMIZED QUERY PREDICTION
20141730	US	14474263	01-Sep-14		COMPUTERIZED SYSTEMS AND METHODS FOR PARTITIONING DATA FOR INFORMATION RETRIEVAL
20141731PR1	US	62088894	08-Dec-14		SYSTEMS AND METHODS FOR DETECTING ROAD CONDITIONS USING AGGREGATE INFORMATION
20141732	US	14566643	10-Dec-14	9719791	COMPUTERIZED SYSTEMS AND METHODS FOR PROVIDING TRAVEL INFORMATION AND/OR CONTENT TO USERS
20141732	EP	15199273.2	10-Dec-15		COMPUTERIZED SYSTEMS AND METHODS FOR PROVIDING TRAVEL INFORMATION AND/OR CONTENT TO USERS
20141733	US	14160992	22-Jan-14	9651392	METHODS AND SYSTEMS FOR PROVIDING DYNAMIC POINT OF INTEREST INFORMATION AND TRIP PLANNING
20141733	EP	15152189.5	22-Jan-15		METHODS AND SYSTEMS FOR PROVIDING DYNAMIC POINT OF INTEREST INFORMATION AND TRIP PLANNING
20151353	US	14682626	09-Apr-15	9534913	SYSTEMS AND METHODS FOR SIMULTANEOUS ELECTRONIC DISPLAY OF VARIOUS MODES OF TRANSPORTATION FOR VIEWING AND COMPARING
20151353C1	US	15363840	29-Nov-16		SYSTEMS AND METHODS FOR SIMULTANEOUS ELECTRONIC DISPLAY OF VARIOUS MODES OF TRANSPORTATION FOR VIEWING AND COMPARING
20151354	US	14682806	09-Apr-15	9689693	SYSTEMS AND METHODS FOR LEARNING AND DISPLAYING CUSTOMIZED GEOGRAPHICAL NAVIGATIONAL OPTIONS
20151355	US	15004092	22-Jan-16		SYSTEMS AND METHODS FOR DATA ACCURACY IN A POSITIONING SYSTEM DATABASE
20151355PR1	US	62271905	28-Dec-15		IMPROVING DATA ACCURACY IN A POSITIONING SYSTEM DATABASE
20161020	US	15211855	15-Jul-16		INTERFACES FOR IMPROVING DATA ACCURACY IN A POSITIONING SYSTEM DATABASE
20161022	US	15617908	08-Jun-17		DRIVER NOTIFICATION OF ROADWAY FEATURES ON A VEHICLE ROUTE
20170135	US	15624284	15-Jun-17		PREDICTIVE INTERSECTION SEARCH
20170206	US	15688269	28-Aug-17		GEOGRAPHIC PREDICTIVE SEARCH
20170248	US	15669429	04-Aug-17		IDENTIFICATION OF TRAFFIC CONTROL MECHANISMS USING MACHINE LEARNING
20170454	US	15695931	05-Sep-17		SELECTING A SOFTWARE DEVELOPMENT KIT (SDK) OF AN APPLICATION TO BE ACTIVATED BASED ON CHARACTERISTICS OF THE APPLICATION
20170464	US	15806051	07-Nov-17		ROUTING TO LOCATIONS WITH MULTIPLE ENTRANCES
20170650	US	15877076	22-Jan-18		LOCATION QUERY PROCESSING AND SCORING
20170674	US	15881483	26-Jan-18		AUTOMATIC GENERATION OF VARIATIONS OF SEARCH CRITERIA FOR USE IN A PREDICTIVE SEARCH ENGINE

Recordable Patent Assignment

20180158	US	16048221	27-Jul-18		METHODS AND SYSTEMS FOR AUTHENTICATING A REPORTED GEOLOCATION OF A MOBILE DEVICE
20180181	US	16041437	20-Jul-18		DYNAMIC VIRTUAL BOUNDARY METHODS AND SYSTEMS
20180210	US	16059006	08-Aug-18		METHODS AND SYSTEMS FOR MANAGING HISTORICAL GEOLOCATION DATA FOR A PLURALITY OF MOBILE DEVICES
MPQ02001	US	10259793	30-Sep-02	8649975	AUTOMATED ROUTE DETERMINATION
MPQ02001C1	US	14153929	13-Jan-14		AUTOMATED ROUTE DETERMINATION
MPQ02001PR1	US	60406629	29-Aug-02		AUTOMATED ROUTE DETERMINATION
MPQ02002	US	10259789	30-Sep-02	8560223	AUTOMATED ROUTE DETERMINATION
MPQ02002C1	US	10800728	16-Mar-04		AUTOMATED ROUTE DETERMINATION
MPQ02002C2	US	14025508	12-Sep-13		AUTOMATED ROUTE DETERMINATION
MPQ02004PR1	US	60428261	22-Nov-02		MAPQUEST REAL WORLD SEARCH
MPQ02005	US	10259788	30-Sep-02		AUTOMATED ROUTE DETERMINATION
MPQ02005C1	US	13946884	19-Jul-13	8655583	AUTOMATED ROUTE DETERMINATION
MPQ02005C2	US	14182227	17-Feb-14		AUTOMATED ROUTE DETERMINATION
MPQ02005D1	US	12690540	20-Jan-10	8510040	AUTOMATED ROUTE DETERMINATION
MPQ02006	US	10330563	30-Dec-02	7474960	PRESENTING A TRAVEL ROUTE
MPQ02006C1	US	12750750	31-Mar-10	7925430	PRESENTING A TRAVEL ROUTE
MPQ02006C2	US	13043934	09-Mar-11	8335646	PRESENTING A TRAVEL ROUTE
MPQ02006C3	US	13620498	14-Sep-12	8977497	PRESENTING A TRAVEL ROUTE
MPQ02006C4	US	14642377	09-Mar-15	9599487	PRESENTING A TRAVEL ROUTE
MPQ02006D1	US	12035641	22-Feb-08	7702454	PRESENTING A TRAVEL ROUTE
MPQ03001	US	10620378	17-Jul-03	7076363	USING ROUTE NARRATIVE SYMBOLS
MPQ03001C1	US	11428163	30-Jun-06	7324897	USING ROUTE NARRATIVE SYMBOLS
MPQ03001C2	US	12760242	14-Apr-10	8145426	USING ROUTE NARRATIVE SYMBOLS
MPQ03001C3	US	12022038	29-Jan-08	7729855	USING ROUTE NARRATIVE SYMBOLS
MPQ03001C4	US	13430614	26-Mar-12	8483957	USING ROUTE NARRATIVE SYMBOLS
MPQ04001PR1	US	60633456	07-Dec-04		USING MULTIPLE CHANNELS TO PROVIDE MAPPING INFORMATION
MPQ05001	US	11278077	30-Mar-06	7620494	USING ROUTING SYMBOLS TO DESCRIBE A DRIVING MANEUVER
MPQ05001C1	US	12575661	08-Oct-09	8428871	USING ROUTING SYMBOLS TO DESCRIBE A DRIVING MANEUVER
MPQ05001C2	US	13867967	22-Apr-13	9453738	USING ROUTING SYMBOLS TO DESCRIBE A DRIVING MANEUVER
MPQ05001C3	US	14323541	03-Jul-14	9322663	USING ROUTING SYMBOLS TO DESCRIBE A DRIVING MANEUVER
MPQ05001C4	US	15078569	23-Mar-16	9696172	USING ROUTING SYMBOLS TO DESCRIBE A DRIVING MANEUVER
MPQ05001PR1	US	60668996	07-Apr-05		DUAL ROUTING SYMBOLS FOR A ROUTE MANEUVER
MPQ05002	US	11320495	29-Dec-05	8909465	USER-CONTROLLED ALTERNATIVE ROUTING
MPQ05002	WO	PCT/US2006/046610	07-Dec-06		USER-CONTROLLED ALTERNATIVE ROUTING
MPQ05002C1	US	14548894	20-Nov-14	9423262	USER-CONTROLLED ALTERNATIVE ROUTING
MPQ05002C2	US	15229051	04-Aug-16		USER-CONTROLLED ALTERNATIVE ROUTING