

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY INTEREST IN PATENTS AT REEL/FRAME NO. 039381/0484	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
U.S. BANK NATIONAL ASSOCIATION		04/25/2019
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	GOGO LLC	
<b>Street Address:</b>	111 N. CANAL ST.	
<b>City:</b>	CHICAGO	
<b>State/Country:</b>	ILLINOIS	
<b>Postal Code:</b>	60606	
<b>PROPERTY NUMBERS Total: 109</b>		
<b>Property Type</b>	<b>Number</b>	
Patent Number:	6799037	
Patent Number:	7640016	
Patent Number:	7689752	
Patent Number:	7702328	
Patent Number:	7920860	
Patent Number:	8032135	
Patent Number:	8060083	
Patent Number:	8068829	
Patent Number:	8073443	
Patent Number:	8078163	
Patent Number:	8081969	
Patent Number:	8081968	
Patent Number:	8140732	
Patent Number:	8145208	
Patent Number:	8185040	
Patent Number:	8498641	
Patent Number:	8700032	
Patent Number:	9258432	
Patent Number:	9232546	
Patent Number:	9287999	

PATENT

Property Type	Number
Patent Number:	9197314
Patent Number:	9088613
Patent Number:	9087193
Patent Number:	8982562
Patent Number:	9147065
Patent Number:	8934893
Patent Number:	8442519
Patent Number:	8457627
Patent Number:	8452276
Patent Number:	8914022
Patent Number:	8447292
Patent Number:	8995993
Patent Number:	9326217
Patent Number:	9888373
Patent Number:	9954600
Patent Number:	9973262
Patent Number:	10014930
Patent Number:	10028244
Patent Number:	10034250
Patent Number:	10044433
Patent Number:	10084493
Patent Number:	10097491
Patent Number:	10129133
Patent Number:	10148759
Patent Number:	10159050
Patent Number:	10158420
Patent Number:	10200424
Patent Number:	10200111
Patent Number:	10200112
Patent Number:	10205509
Patent Number:	10211530
Application Number:	13588903
Application Number:	13675200
Application Number:	14177863
Application Number:	14209698
Application Number:	14225017
Application Number:	14209713
Application Number:	14224859

Property Type	Number
Application Number:	15222219
Application Number:	15228209
Application Number:	15264066
Application Number:	15263921
Application Number:	15264193
Application Number:	15382227
Application Number:	15412666
Application Number:	15468808
Application Number:	15622409
Application Number:	15659042
Application Number:	15675381
Application Number:	15844055
Application Number:	15873179
Application Number:	15939752
Application Number:	62656698
Application Number:	15965245
Application Number:	16053374
Application Number:	16139544
Application Number:	16175291
Application Number:	16193937
Application Number:	16194741
Application Number:	16195248
Application Number:	16200920
Application Number:	14340921
Application Number:	14530409
Application Number:	14530423
Application Number:	14267563
Application Number:	14267400
Application Number:	14291511
Application Number:	14291979
Application Number:	14291878
Application Number:	14292035
Application Number:	14307228
Application Number:	14309342
Application Number:	14312413
Application Number:	14320966
Application Number:	14320970
Application Number:	90012810

Property Type	Number
Application Number:	14754046
Application Number:	14797461
Application Number:	14876542
Application Number:	14995459
Application Number:	15014333
Application Number:	14912834
Application Number:	15075032
Application Number:	15079953
Application Number:	15090026
Application Number:	15092844
Application Number:	15092884
Application Number:	15150576
Application Number:	15170649

#### CORRESPONDENCE DATA

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**ATTORNEY DOCKET NUMBER:** 042742-0120

**NAME OF SUBMITTER:** KRISTIN J AZCONA

**SIGNATURE:** /KJA/

**DATE SIGNED:** 04/26/2019

#### Total Attachments: 8

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## RELEASE OF SECURITY INTEREST IN PATENTS

This RELEASE OF SECURITY INTEREST IN PATENTS, dated as of April 25, 2019 (this “Release”), is made by U.S. Bank National Association, as collateral agent for the Priority Lien Secured Parties (in such capacity, the “Collateral Agent”) in favor of Gogo LLC, a Delaware limited liability company (the “Grantor”). Capitalized terms not otherwise defined in this Release shall have the meanings provided or provided by reference in the Patent Security Agreement (as defined below).

WHEREAS, Grantor entered into a Collateral Agreement, dated as of June 14, 2016 (as amended, restated, supplemented or otherwise modified from time to time, the “Collateral Agreement”) in favor of the Collateral Agent;

WHEREAS, pursuant to the Collateral Agreement, Grantor executed and delivered that certain Patent Security Agreement, dated as of June 14, 2016 (the “Patent Security Agreement”), in favor of the Collateral Agent, which was recorded in the United States Patent and Trademark Office on July 18, 2016 at Reel 039381, Frame 0484;

WHEREAS, pursuant to the Patent Security Agreement, Grantor confirmed the grant in the Collateral Agreement to the Collateral Agent, for the benefit of the Priority Lien Secured Parties, of a security interest in, all of the following property, in each case, wherever located and then owned or at any time thereafter acquired by Grantor or in which Grantor then had or at any time thereafter acquired any right, title or interest: all of Grantor’s right, title and interest in and to all patentable inventions and designs, all United States, foreign, and multinational patents, certificates of invention, and similar industrial property rights, and applications for any of the foregoing, including without limitation: (i) each patent and patent application listed in Schedule A attached hereto, (ii) all reissues, substitutes, divisions, continuations, continuations-in-part, extensions, renewals, and reexaminations thereof, (iii) all inventions and improvements described and claimed therein, (iv) all rights to sue or otherwise recover for any past, present and future infringement or other violation thereof, (v) all Proceeds of the foregoing, including, without limitation, license fees, royalties, income, payments, claims, damages, and proceeds of suit then or thereafter due and/or payable with respect thereto, income, royalties, damages and other payments then and thereafter due and/or payable with respect thereto and (vi) all other patent rights accruing thereunder or pertaining thereto throughout the world (collectively, the “Patent Collateral”); and

WHEREAS, the Grantor has requested that the Collateral Agent execute and deliver this Release to evidence the release of its security interest in the Patent Collateral for filing and recordation with the United States Patent and Trademark Office.

NOW, THEREFORE, in consideration of the foregoing and for other good and valuable consideration, the receipt of which is hereby acknowledged, the Collateral Agent, without any representation, warranty or recourse of any kind or nature, hereby releases and terminates in its entirety its security interest in the Patent Collateral, and discharges, quit claims, and relinquishes unto the Grantor, and re-assigns to the Grantor, any and all right, title or interest it may have in or to the Patent Collateral.

[Signature Page Follows]

IN WITNESS WHEREOF, Collateral Agent has caused this Release to be executed and delivered by its duly authorized officer as of the date first set forth above.

U.S. BANK NATIONAL ASSOCIATION,  
as Collateral Agent

By: Linda Garcia

Name: **Linda E. Garcia**  
Title: **Vice President**

SCHEDULE A

PATENTS AND PATENT APPLICATIONS

**Gogo LLC U.S. Issued Patents**

<b>Title</b>	<b>Appl. No.</b>	<b>Appl. Date</b>	<b>Patent No.</b>	<b>Issue Date</b>
METHOD AND APPARATUS FOR COMMUNICATION WITH A MOBILE UNIT	08/988,457	12/10/1997	6,799,037	09/28/2004
AIR-TO-GROUND CELLULAR NETWORK FOR DECK-TO-DECK CALL COVERAGE	11/240,975	09/30/2005	7,640,016	12/29/2009
CABIN TELECOMMUNICATION UNIT	10/241,723	09/11/2002	7,689,752	03/30/2010
SYSTEM FOR HANDOFF OF AIRCRAFT-BASED CONTENT DELIVERY TO ENABLE PASSENGERS TO RECEIVE THE REMAINDER OF A SELECTED CONTENT FROM A TERRESTRIAL LOCATION	12/021,133	01/28/2008	7,702,328	04/20/2010
SYSTEM FOR MANAGING THE MULTIPLE AIR-TO-GROUND COMMUNICATIONS LINKS ORIGINATING FROM EACH AIRCRAFT IN AN AIR-TO-GROUND CELLULAR COMMUNICATION NETWORK	11/590,709	10/31/2006	7,920,860	04/05/2011
SYSTEM FOR TRANSMITTING WIRELESS HIGH-SPEED DATA SIGNALS BETWEEN A TERRESTRIAL-BASED ANTENNA AND AN AIRCRAFT	10/378,203	03/03/2003	8,032,135	10/04/2011
SYSTEM FOR MANAGING AN AIRCRAFT-ORIGINATED EMERGENCY SERVICES CALL IN AN AIRBORNE WIRELESS CELLULAR NETWORK	12/182,834	07/30/2008	8,060,083	11/15/2011
SYSTEM FOR CUSTOMIZING ELECTRONIC SERVICES FOR DELIVERY TO A PASSENGER IN AN AIRBORNE WIRELESS CELLULAR NETWORK	12/021,169	01/28/2008	8,068,829	11/29/2011
SIP CLIENT-BASED LOCAL NUMBER PORTABILITY THROUGH AN AIRCRAFT AIR-TO-GROUND LINK	12/423,555	04/14/2009	8,073,443	12/06/2011
SYSTEM FOR CUSTOMIZING ELECTRONIC CONTENT FOR DELIVERY TO A PASSENGER IN AN AIRBORNE WIRELESS CELLULAR NETWORK	12/021,125	01/28/2008	8,078,163	12/13/2011
SYSTEM FOR CREATING AN AIRCRAFT-BASED INTERNET PROTOCOL SUBNET IN AN AIRBORNE WIRELESS CELLULAR NETWORK	12/060,662	04/01/2008	8,081,969	12/20/2011
SYSTEM FOR CREATING AN AIR-TO-GROUND IP TUNNEL IN AN AIRBORNE WIRELESS CELLULAR NETWORK TO DIFFERENTIATE INDIVIDUAL PASSENGERS	12/060,674	04/01/2008	8,081,968	12/20/2011
CABIN TELECOMMUNICATION UNIT	12/707,070	02/17/2010	8,140,732	03/20/2012
AIR-TO-GROUND CELLULAR COMMUNICATION NETWORK TERRESTRIAL BASE STATION HAVING MULTI-DIMENSIONAL SECTORS WITH ALTERNATING RADIO FREQUENCY POLARIZATIONS	11/590,146	10/31/2006	8,145,208	03/27/2012
SYSTEM FOR MANAGING VOICE OVER INTERNET PROTOCOL COMMUNICATIONS IN A NETWORK	12/029,298	02/11/2008	8,185,040	05/22/2012
METHOD AND APPARATUS FOR COMMUNICATION WITH A MOBILE UNIT	11/100,753	04/07/2005	8,498,641	07/30/2013

Title	Appl. No.	Appl. Date	Patent No.	Issue Date
SYSTEM FOR TRANSMITTING WIRELESS HIGH-SPEED DATA SIGNALS BETWEEN A TERRESTRIAL-BASED ANTENNA AND AN AIRCRAFT	13/222,722	08/31/2011	8,700,032	04/15/2015
DYNAMIC TIME BASED PRODUCTS	14/291,562	05/30/2014	9,258,432	02/09/2016
SYSTEMS AND METHODS FOR TWO-PART ELECTRONIC DEVICE REGISTRATION	14/291,558	05/30/2014	9,232,546	01/05/2016
MESH NETWORK BASED AUTOMATED UPLOAD OF CONTENT TO AIRCRAFT	14/553,641	11/25/2014	9,287,999	03/15/2016
DATA DELIVERY TO DEVICES ON VEHICLES USING MULTIPLE FORWARD LINKS	14/225,050	03/25/2014	9,197,314	11/24/2015
GROUND SYSTEM FOR VEHICLE DATA DISTRIBUTION	13/675,190	11/13/2012	9,088,613	07/21/2015
COMMUNICATION SYSTEM AND METHOD FOR NODES ASSOCIATED WITH A VEHICLE	13/675,194	11/13/2012	9,087,193	07/21/2015
LINE REPLACEABLE UNIT WITH UNIVERSAL HEAT SINK RECEPTACLE	13/799,869	03/13/2013	8,982,562	03/17/2015
DETERMINING HUMAN STIMULI AT COMPUTING DEVICES	13/781,841	03/01/2013	9,147,065	09/29/2015
MESH NETWORK BASED AUTOMATED UPLOAD OF CONTENT TO AIRCRAFT	13/544,742	07/09/2012	8,934,893	01/13/2015
SPECTRUM SHARING BETWEEN AN AIRCRAFT-BASED AIR-TO-GROUND SYSTEM AND EXISTING GEOSTATIONARY SATELLITE SERVICES	13/172,539	06/29/2011	8,442,519	05/14/2013
TRAFFIC SCHEDULING SYSTEM FOR WIRELESS COMMUNICATIONS	13/009,579	01/19/2011	8,457,627	06/4/2013
DIFFERENTIATED SERVICES CODE POINT MIRRORING FOR WIRELESS COMMUNICATIONS	13/009,687	01/19/2011	8,452,276	05/28/2013
SYSTEM FOR PROVIDING HIGH SPEED COMMUNICATIONS SERVICE IN AN AIRBORNE WIRELESS CELLULAR NETWORK	12/137,995	06/12/2008	8,914,022	12/16/2014
MULTI-LINK AIRCRAFT CELLULAR SYSTEM FOR SIMULTANEOUS COMMUNICATION WITH MULTIPLE TERRESTRIAL CELL SITES	11/590,379	10/31/2006	8,447,292	05/21/2013
SYSTEM FOR MANAGING MOBILE INTERNET PROTOCOL ADDRESSES IN AN AIRBORNE WIRELESS CELLULAR NETWORK	12/060,645	04/01/2008	8,995,993	3/31/2015
OPTIMIZING USAGE OF MODEMS FOR DATA DELIVERY TO DEVICES ON VEHICLES	14/225,077	03/25/2014	9,326,217	04/26/2016
SYSTEMS AND METHODS FOR CONFIGURING AN ELECTRONIC DEVICE FOR CELLULAR-BASED	15/261,381	9/9/2016	9,888,373	2/6/2018
SERVICING CELL SELECTION IN AIR TO GROUND COMMUNICATION SYSTEMS	15/352,255	11/15/2016	9,954,600	4/24/2018
DATA DELIVERY TO DEVICES ON VEHICLES USING MULTIPLE FORWARD LINKS	15/459,709	3/15/2017	9,973,262	5/15/2018
MULTIPLE MODEM COMMUNICATION SYSTEM AND METHOD FOR A MOBILE PLATFORM	15/223,511	7/29/2016	10,014,930	7/3/2018
HYPER-NUMBER PORTABILITY	15/202,727	7/6/2016	10,028,244	7/17/2018
MULTI-CARRIER POWER POOLING	15/900,119	2/20/2018	10,034,250	7/24/2018
SERVICING CELL SELECTION IN AIR TO GROUND COMMUNICATION SYSTEMS	15/900,282	2/20/2018	10,044,433	8/7/2018
SYSTEMS AND METHODS FOR FACILITATING PREDICTIVE NOISE MITIGATION	15/642,544	7/6/2017	10,084,493	9/25/2018
DATA CACHING USING MULTICAST GROUPS IN A VEHICLE COMMUNICATION SYSTEM	15/703,523	9/13/2017	10,097,491	10/9/2018
GROUND SYSTEM FOR VEHICLE DATA DISTRIBUTION	15/853,106	12/22/2017	10,129,133	11/13/2018



PRESENCE-BASED NETWORK AUTHENTICATION	15/090,026	4/4/2016	10,148,759	12/4/2018
MULTI-CARRIER POWER POOLING	15/452,402	3/7/2017	10,159,050	12/18/2018
DYNAMIC SATELLITE BEAM SWITCHING	15/844,020	12/15/2017	10,158,420	12/18/2018
SEAMLESS DELIVERY OF REAL-TIME MEDIA STREAM WITH INTERMITTENT SIGNAL LOSS	15/278,385	9/28/2016	10,200,424	2/5/2019
SYSTEM FOR MANAGING MOBILE INTERNET PROTOCOL ADDRESSES IN AN AIRBORNE WIRELESS CELLULAR	15/717,662	9/27/2017	10,200,111	2/5/2019
SERVICING CELL SELECTION IN AIR TO GROUND COMMUNICATION SYSTEMS	16/033,789	7/12/2018	10,200,112	2/5/2019
DATA DELIVERY TO DEVICES ON VEHICLES USING MULTIPLE FORWARD LINKS	15/945,545	4/4/2018	10,205,509	2/12/2019
DYNAMIC EFFECTIVE RADIATED POWER (ERP) ADJUSTMENT	15/251,078	8/30/2016	10,211,530	2/19/2019

### Gogo LLC U.S. Patent Applications

Title	Appl. No.	Appl. Date	Pub. No.	Pub. Date
SYSTEM FOR PROVIDING TEMPORARY INTERNET ACCESS FROM A RESTRICTED LOCAL AREA NETWORK ENVIRONMENT	13/588,903	08/17/2012	2014/0053243	02/20/2014
VEHICLE DATA DISTRIBUTION SYSTEM AND METHOD	13/675,200	11/13/2012	2014/0136658	05/15/2014
MULTIPLE ANTENNA SYSTEM AND METHOD FOR MOBILE PLATFORMS	14/177,863	02/11/2014	2014/0225767	08/14/2014
RADOME HAVING LOCALIZED AREAS OF REDUCED RADIO SIGNAL ATTENUATION	14/209,698	03/13/2014	2015/0130671	05/14/2015
HYBRID COMMUNICATIONS FOR DEVICES ON VEHICLES	14/225,017	03/25/2014	2015/0131513	05/14/2015
RADOME HAVING LOCALIZED AREAS OF REDUCED RADIO SIGNAL ATTENUATION	14/209,713	03/13/2014	2015/0130672	05/14/2015
ADAPTIVE MODULATION IN A HYBRID VEHICLE COMMUNICATION SYSTEM	14/224,859	03/25/2014	2015/0131512	05/14/2015
IN-VEHICLE CONTENT DELIVERY SYSTEM OPERABLE IN AUTONOMOUS MODE AND NON-AUTONOMOUS MODE	15/222,219	7/28/2016	--	Allowed
AIR-TO-GROUND CO-CHANNEL INTERFERENCE AVOIDANCE SYSTEM	15/228,209	8/4/2016	--	Allowed
USAGE-BASED BANDWIDTH OPTIMIZATION	15/264,066	9/13/2016	--	Published
USER DIRECTED BANDWIDTH OPTIMIZATION	15/263,921	9/13/2016	--	Published
NETWORK PROFILE CONFIGURATION ASSISTANCE TOOL	15/264,193	9/13/2016	--	Published
MULTIPLE ANTENNA SYSTEM AND METHOD FOR MOBILE PLATFORMS	15/382,227	12/16/2016	--	Published
MULTIPLE ANTENNA SYSTEM AND METHOD FOR MOBILE PLATFORMS	15/412,666	1/23/2017	--	Allowed
RADOME HAVING LOCALIZED AREAS OF REDUCED RADIO SIGNAL ATTENUATION	15/468,808	3/24/2017	--	Published
OPTIMIZED WIRELESS CONTENT LOADING SCHEDULER	15/622,409	6/14/2017	--	Published

WIRELESS CABIN SEATBACK SCREEN LOCATION DETERMINATION	15/659,042	7/25/2017	--	Published
OPPORTUNISTIC BALANCING IN MULTIPLE LINKS	15/675,381	8/11/2017	--	Published
DYNAMIC LOAD BALANCING OF SATELLITE BEAMS	15/844,055	12/15/2017	--	Pending
MESH NETWORK BASED AUTOMATED UPLOAD OF CONTENT TO AIRCRAFT	15/873,179	1/17/2018	--	Published
COMMUNICATION SYSTEM AND METHOD FOR NODES ASSOCIATED WITH A VEHICLE	15/939,752	3/29/2018	--	Published
SYSTEMS AND METHODS FOR DETECTING SATELLITE-BASED COMMUNICATION	62/656,698	4/12/2018	--	Pending
MULTIPLE MODEM COMMUNICATION SYSTEM AND METHOD FOR A MOBILE PLATFORM	15/965,245	4/27/2018	--	Published
ON-BOARD SELF-HEALING NETWORK FOR DELIVERY OF VEHICLE PASSENGER-	16/053,374	8/2/2018	--	Pending
SYSTEMS AND METHODS FOR FACILITATING PREDICTIVE NOISE MITIGATION	16/139,544	9/24/2018	--	Published
PRESENCE-BASED NETWORK AUTHENTICATION	16/175,291	10/30/2018	--	Published
MULTI-CARRIER POWER POOLING	16/193,937	11/16/2018	--	Pending
DYNAMIC EFFECTIVE RADIATED POWER (ERP) ADJUSTMENT	16/194,741	11/19/2018	--	Pending
DYNAMIC SATELLITE BEAM SWITCHING	16/195,248	11/19/2018	--	Pending
PASSENGER LOCATION PLATFORM	16/200,920	11/27/2018	--	Pending

Title	Appl. No.	Appl. Date	Pub. No.	Pub. Date
SYSTEM FOR MANAGING MOBILE INTERNET PROTOCOL ADDRESSES IN AN AIRBORNE WIRELESS CELLULAR NETWORK	14/340,921	07/25/2014	2014/0334379	11/13/2014
AUTONONMOUS-MODE CONTENT DELIVERY AND KEY MANAGEMENT	14/530,409	10/31/2014	Not yet published	Not yet published
RESUMPTION OF PLAY FOR A CONTENT-DELIVERY SESSION	14/530,423	10/31/2014	Not yet published	Not yet published
SYSTEMS AND METHODS FOR FACILITATING VOICE-BASD COMMUNICATIONS	14/267,563	05/01/2014	2015/0319301	11/05/2015
SYSTEMS AND METHODS FOR NOTIFYING ELECTRONIC DEVICES OF VOICE-BASED COMMUNICATION REQUESTS	14/267,400	05/01/2014	2015/0319300	11/05/2015
SYSTEMS AND METHODS FOR CONFIGURING AN ELECTRONIC DEVICE FOR CALLING CELLULAR BASED COMMUNICATIONS	14/291,511	05/30/2014	2015/0133116	05/14/2015
SYSTEMS AND METHODS FOR COMMUNICATIONS WITH NON- TERRESTRIAL ELECTRONIC DEVICES	14/291,979	05/30/2014	2015/0351066	12/03/2015
SYSTEMS AND METHODS FOR FACILITATING COMMUNICATIONS ORIGINATING FROM A NON-TERRESTRIAL NETWORK	14/291,878	05/30/2014	2015/0350996	12/03/2015
SYSTEMS AND METHODS FOR FACILITATING COMMUNICATIONS DESTINED FOR A NON-TERRESTRIAL NETWORK	14/292,035	05/30/2014	2015/0349875	12/03/2015
MULIPLE MODM COMMUNICATION SYSTEM AND METHOD FOR MOBILE PLATFORM	14/307,228	06/17/2014	2015/0365870	12/17/2015
DATA CACHING IN A HYBRID COMMUNICATIONS SYSTEM	14/309,342	06/19/2014	2015/0134754	05/14/2015
SYSTEMS AND METHODS FOR FACILITATING VOICE AND MESSANGING COMMUNICATIONS VIA VARIOUS NETWORKS	14/312,413	06/23/2014	2015/0131519	05/14/2015
DELAYED DISK RECOVERY	14/320,966	07/01/2014	2016/0004586	01/07/2016
CONTENT INTEGRITY CHECKS	14/320,970	07/01/2014	2016/0006807	01/07/2016
MOBILE TELE-COMPUTER NETWORK FOR MOTION PICTURE, TELEVISION AND TV ADVERTISING PRODUCTION	90/012,810	7/TBD/2014	Not yet published	Not yet published
COMMUNICATIONS SYSTEMS AND METHODS FOR NODES ASSOCIATED WITH A VEHICLE	14/754,046	06/29/2015	2015/0319248	11/05/2015
GROUND SYSTEM FOR VEHICLE DATA DISTRIBUTION	14/797,461	07/13/2015	2015/0319073	11/05/2015
DATA DELIVERY TO DEVICES ON VEHICLES USING MULTIPLE FORWARD LINKS	14/876,542	10/06/2015	2016/0036517	02/04/2016
DYNAMIC TIME BASED PRODUCT	14/995,459	01/14/2016	Not yet published	Not yet published
MESH NETWORK BASED AUTOMATED UPLOAD OF CONTENT TO AIRCRAFT	15/014,333	02/03/2016	Not yet published	Not yet published
FEATURE TRANSPARENCY FOR WIRELESS DEVICES	14/912,834	02/18/2016	Not yet published	Not yet published
OPTIMIZING USAGE OF MODEMS FOR DATA DELIVERY TO DEVICES ON VEHICLES	15/075,032	03/18/2016	Not yet published	Not yet published
SYSTEMS AND METHODS FOR FACILITATING COMMUNICATIONS DESTINED FOR A NON-TERRESTRIAL NETWORK	15/079,953	03/24/2016	Not yet published	Not yet published
PRESENCE-BASED NETWORK AUTHENTICATION	15/090,026	04/04/2016	Not yet published	Not yet published
SYSTEMS AND METHODS FOR ON-BOARD ACCESS CONTROL	15/092,844	04/07/2016	Not yet published	Not yet published

Title	Appl. No.	Appl. Date	Pub. No.	Pub. Date
SYSTEMS AND METHODS FOR AUTHENTICATING APPLICATIONS TO ON-BOARD SERVICES	15/092,884	04/07/2016	Not yet published	Not yet published
HYBRID COMMUNICATIONS FOR DEVICES ON VEHICLES	15/150,576	5/10/2016	Not yet published	Not yet published
SYSTEMS AND METHODS FOR AVERTING UNSANCTIONED ACCESS TO ON-BOARD VEHICLE NETWORKS	15/170,649	6/1/2016	Not yet published	Not yet published