TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM644171

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
JPMorgan Chase Bank, N.A., as Administrative Agent		04/30/2021	National Banking Association: UNITED STATES

RECEIVING PARTY DATA

Name:	Gogo LLC
Street Address:	111 N. Canal Street
City:	Chicago
State/Country:	ILLINOIS
Postal Code:	60606
Entity Type:	Limited Liability Company: DELAWARE

PROPERTY NUMBERS Total: 1

Property Type	Number	Word Mark
Serial Number:	88649886	GOGO MIX

CH $40.00 88649886

CORRESPONDENCE DATA

Fax Number: 2149813400

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.

Phone: 214-981-3483
Email: dclark@sidley.com
Correspondent Name: Dusan Clark, Esq.
Address Line 1: Sidley Austin LLP
Address Line 2: 2021 McKinney Ave., Suite 2000
Address Line 4: Dallas, TEXAS 75201

ATTORNEY DOCKET NUMBER:	36084-30081
NAME OF SUBMITTER:	Dusan Clark
SIGNATURE:	/Dusan Clark/
DATE SIGNED:	05/04/2021

Total Attachments: 8
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RELEASE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY COLLATERAL

This **RELEASE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY COLLATERAL** (this "Release"), dated as of April 30, 2021, is made by **JPMORGAN CHASE BANK, N.A.**, as Administrative Agent (the "Administrative Agent") under the Credit Agreement referred to below (capitalized terms used in this Release and not otherwise defined herein shall have the meanings set forth in the Credit Agreement) in favor of Gogo LLC, a Delaware limited liability company ("Gogo LLC"), and Gogo Business Aviation LLC, a Delaware limited liability company (together with Gogo LLC, the "Grantors").

WHEREAS, in connection with that certain Credit Agreement, dated as of August 26, 2019 (as amended, restated, supplemented or otherwise modified from time to time, the "Credit Agreement"), among Gogo Intermediate Holdings LLC and Gogo Finance Co., as Borrowers, the Grantors, the other Loan Parties party thereto from time to time, the Lenders party thereto and the Administrative Agent, the Lenders agreed to make loans and extend other financial accommodations to or for the benefit of the Loan Parties;

WHEREAS, the Grantors entered into that certain ABL Collateral Agreement, dated as of August 26, 2019 (as may be amended, restated, supplemented or otherwise modified from time to time, the "Collateral Agreement");

WHEREAS, in connection with the Credit Agreement, the Collateral Agreement and pursuant to those certain agreements described on Annex I attached hereto (collectively, the "IP Security Agreements"), the Grantors granted security interests in the certain intellectual property owned by the Grantors, including those listed on Annex I attached hereto (the "IP Collateral"); and

WHEREAS, most of the IP Security Agreements were recorded in the United States Patent and Trademark Office or the United States Copyright Office, as applicable, on the dates and on the reels/frames or volume/document no., as applicable, set forth on Annex I hereto.

NOW THEREFORE, in consideration of the material covenants and agreements set forth herein and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Administrative Agent hereby terminates the IP Security Agreements and releases, terminates and discharges, without representation, recourse or warranty whatsoever, all of its rights in, to and under, including its Lien on and security interest in, and right of setoff against, the IP Collateral, whether granted pursuant to the Collateral Agreement, the IP Security Agreements or any other agreement or document delivered in connection with the Credit Agreement or any other Loan Document, and the Administrative Agent hereby reassigns any and all such right, title and interest (if any) that the Administrative Agent may have in, to and under the IP Collateral to the relevant Grantor.

The Administrative Agent agrees, at the Grantors' expense, to cooperate with the Grantors and to provide the Grantors with the information and additional authorization reasonably required or desirable to effect the release of the Administrative Agent's security interest in the released IP Collateral described herein.

This Release and the rights and obligations of the parties hereto shall be governed by, and construed and interpreted in accordance with, the laws of the State of New York.

[Signature Page Follows]

IN WITNESS WHEREOF, the Administrative Agent has executed this Release as of the date first above written.

JPMORGAN CHASE BANK, N.A.,
as Administrative Agent

By: _____
Name: Jerome Prince
Title: Authorized Signer

ANNEX I

Trademark Security Agreement dated as of August 26, 2019, by Gogo LLC and Gogo Business Aviation LLC in favor of Administrative Agent, was recorded with the United States Patent and Trademark Office on August 27, 2019 at Reel/Frame 6730/0823.

Gogo LLC Trademark Registrations

Mark	App'n Date	App'n No	Reg'n Date	Reg'n No	Class/Goods
GOGO 5G	May 7, 2019	88418468	---	---	9, 38
FLY SMARTER GOGO BUSINESS AVIATION	Oct 25 2018	88168673	---	---	38
GOGO	Jun 26 2007	77216179	Sep 8 2009	3680364	9
GOGO	Jun 26 2007	77216180	Sep 9 2008	3499843	38
GOGO (STYLIZED AND/OR WITH DESIGN)	Jun 6 2011	85339267	Apr 17 2012	4129839	9
GOGO (STYLIZED AND/OR WITH DESIGN)	Jun 6 2011	85339274	Apr 24 2012	4133147	38
GOGO BIZ	Mar 27 2012	85581100	Dec 11 2012	4256786	38
GOGO VISION	Jul 13 2011	85370757	Apr 24 2012	4133220	38
LOGO (EMOTICON)	Oct 19 2007	77309056	Aug 11 2009	3667304	9
LOGO (EMOTICON)	Oct 19 2007	77976486	Mar 31 2009	3600042	38

Gogo Business Aviation LLC U.S. Trademark Registrations

Mark	App'n Date	App'n No	Reg'n Date	Reg'n No	Class/Goods
AIRCELL	Apr 9 1999	75679720	Aug 13 2002	2606315	9
AIRCELL	May 8 2007	77175183	Jul 22 2008	3473337	9
AIRCELL	Feb 18 1992	74246637	Aug 27 1996	1997223	38
AIRCELL	May 8 2007	77175204	Jan 13 2009	3561842	38
AIRCELL & DESIGN	Apr 9 1999	75679536	Oct 29 2002	2641476	9,38
IN TOUCH, IN FLIGHT	May 8 2007	77175201	Jul 22 2008	3473338	9

Patent Security Agreement dated as of August 26, 2019, by Gogo LLC in favor of Administrative Agent, was recorded with the United States Patent and Trademark Office on August 27, 2019 at Reel/Frame 50193/0797.

ISSUED PATENTS

Title	App. No.	Filed	Patent No.	Issue Date
MULTIPLE ANTENNA SYSTEM AND METHOD FOR MOBILE PLATFORMS	15/412,666	1/23/2017	10,297,908	5/21/19
SYSTEMS AND METHODS FOR AVERTING UNSANCTIONED ACCESS TO ON-BOARD VEHICLE NETWORKS	15/170,649	6/1/2016	10,298,692	5/21/19
In-Vehicle Content Delivery System Operable in Autonomous Mode and Non-Autonomous Mode	15/222,219	7/28/2016	10,235,503	3/19/2019
DYNAMIC EFFECTIVE RADIATED POWER (ERP) ADJUSTMENT	15/251,078	8/30/2016	10,211,530	2/19/2019
DATA DELIVERY TO DEVICES ON VEHICLES USING MULTIPLE FORWARD LINKS	15/945,545	4/4/2018	10,205,509	2/12/2019
SERVICING CELL SELECTION IN AIR TO GROUND COMMUNICATION SYSTEMS	16/033,789	7/12/2018	10,200,112	2/5/2019
SYSTEM FOR MANAGING MOBILE INTERNET PROTOCOL ADDRESSES IN AN AIRBORNE WIRELESS CELLULAR NETWORK	15/717,662	9/27/2017	10,200,111	2/5/2019
Seamless Delivery of Real-Time Media Stream With Intermittent Signal Loss	15/278,385	9/28/2016	10,200,424	2/5/2019
DYNAMIC SATELLITE BEAM SWITCHING	15/844,020	12/15/2017	10,158,420	12/18/2018
MULTI-CARRIER POWER POOLING	15/452,402	3/7/2017	10,159,050	12/18/2018
PRESENCE-BASED NETWORK AUTHENTICATION	15/090,026	4/4/2016	10,148,759	12/4/2018
GROUND SYSTEM FOR VEHICLE DATA DISTRIBUTION	15/853,106	12/22/2017	10,129,133	11/13/2018
DATA CACHING USING MULTICAST GROUPS IN A VEHICLE COMMUNICATION SYSTEM	15/703,523	9/13/2017	10,097,491	10/9/2018
SYSTEMS AND METHODS FOR FACILITATING PREDICTIVE NOISE MITIGATION	15/642,544	7/6/2017	10,084,493	9/25/2018
SYSTEMS AND METHODS FOR ON-BOARD ACCESS CONTROL	15/092,844	4/7/2016	10,079,757	9/18/2018
SERVICING CELL SELECTION IN AIR TO GROUND COMMUNICATION SYSTEMS	15/900,282	2/20/2018	10,044,433	8/7/2018
MULTI-CARRIER POWER POOLING	15/900,119	2/20/2018	10,034,250	7/24/2018
HYPER-NUMBER PORTABILITY	15/202,727	7/6/2016	10,028,244	7/17/2018
MULTIPLE MODEM COMMUNICATION SYSTEM AND METHOD FOR A MOBILE PLATFORM	15/223,511	7/29/2016	10,014,930	7/3/2018
DATA DELIVERY TO DEVICES ON VEHICLES USING MULTIPLE FORWARD LINKS	15/459,709	3/15/2017	9,973,262	5/15/2018
COMMUNICATION SYSTEM AND METHOD FOR NODES ASSOCIATED WITH A VEHICLE	14/754,046	6/29/2015	9,971,889	5/15/2018
FACILITATING COMMUNICATION BETWEEN ON-BOARD ELECTRONIC DEVICES AND TERRESTRIAL DEVICE	14/312,413	6/23/2014	9,967,020	5/8/2018
SYSTEMS AND METHODS FOR FACILITATING COMMUNICATIONS DESTINED FOR A NON-TERRESTRIAL NETWORK	15/079,953	3/24/2016	9,960,835	5/1/2018
Servicing Cell Selection in Air to Ground Communication Systems	15/352,255	11/15/2016	9,954,600	4/24/2018
OPTIMIZING USAGE OF MODEMS FOR DATA DELIVERY TO DEVICES ON VEHICLES	15/075,032	3/18/2016	9,900,823	2/20/2018
GROUND SYSTEM FOR VEHICLE DATA DISTRIBUTION	14/797,461	7/13/2015	9,893,976	2/13/2018
SYSTEMS AND METHODS FOR CONFIGURING AN ELECTRONIC DEVICE FOR CELLULAR-BASED COMMUNICATIONS	15/261,381	9/9/2016	9,888,373	2/6/2018
SYSTEM FOR PROVIDING TEMPORARY INTERNET ACCESS FROM A RESTRICTED LOCAL AREA NETWORK ENVIRONMENT	13/588,903	8/17/2012	9,825,910	11/21/2017
System for Managing Mobile Internet Protocol Addresses in an Airborne Wireless Cellular Network	14/340,921	7/25/2014	9,813,144	11/7/2017
DYNAMIC TIME BASED PRODUCT	14/995,459	1/14/2016	9,794,815	10/17/2017
DATA CACHING IN A HYBRID COMMUNICATIONS SYSTEM	14/309,342	6/19/2014	9,787,619	10/10/2017
SYSTEMS AND METHODS FOR FACILITATING COMMUNICATIONS DESTINED FOR A NON-TERRESTRIAL NETWORK	14/292,035	5/30/2014	9,716,542	7/25/2017
SYSTEMS AND METHODS FOR NOTIFYING ELECTRONIC DEVICES OF VOICE-BASED COMMUNICATION REQUESTS	14/267,400	5/1/2014	9,712,668	7/18/2017
SYSTEMS AND METHODS FOR COMMUNICATING WITH NON-TERRESTRIAL ELECTRONIC DEVICES	14/291,979	5/30/2014	9,655,073	5/16/2017

Title	App. No.	Filed	Patent No.	Issue Date
SYSTEMS AND METHODS FOR FACILITATING VOICE-BASED COMMUNICATIONS	14/267,563	5/1/2014	9,648,468	5/9/2017
DATA DELIVERY TO DEVICES ON VEHICLES USING MULTIPLE FORWARD LINKS	14/876,542	10/6/2015	9,634,753	4/25/2017
RADOME HAVING LOCALIZED AREAS OF REDUCED RADIO SIGNAL ATTENUATION	14/209,698	3/13/2014	9,608,321	3/28/2017
HYBRID COMMUNICATIONS FOR DEVICES ON VEHICLES	15/150,576	5/10/2016	9,591,462	3/7/2017
CONTENT INTEGRITY CHECKS	14/320,970	7/1/2014	9,591,077	3/7/2017
RESUMPTION OF PLAY FOR A CONTENT-DELIVERY SESSION	14/530,423	10/31/2014	9,578,104	2/21/2017
ADAPTIVE MODULATION IN A HYBRID VEHICLE COMMUNICATION SYSTEM	14/224,859	3/25/2014	9,577,857	2/21/2017
RADOME HAVING LOCALIZED AREAS OF REDUCED RADIO SIGNAL ATTENUATION	14/209,713	3/13/2014	9,564,681	2/7/2017
MULTIPLE ANTENNA SYSTEM AND METHOD FOR MOBILE PLATFORMS	14/177,863	2/11/2014	9,553,657	1/24/2017
SYSTEMS AND METHODS FOR FACILITATING COMMUNICATIONS ORIGINATING FROM A NON-TERRESTRIAL NETWORK	14/291,878	5/30/2014	9,503,956	11/22/2016
FEATURE TRANSPARENCY FOR WIRELESS DEVICES	14/912,834	2/18/2016	9,490,892	11/8/2016
SYSTEMS AND METHODS FOR CONFIGURING AN ELECTRONIC DEVICE FOR CELLULAR-BASED COMMUNICATIONS	14/291,511	5/30/2014	9,467,828	10/11/2016
Autonomous-Mode Content Delivery and Key Management	14/530,409	10/31/2014	9,426,650	8/23/2016
MULTIPLE MODEM COMMUNICATION SYSTEM AND METHOD FOR A MOBILE PLATFORM	14/307,228	6/17/2014	9,408,129	8/2/2016
DELAYED DISK RECOVERY	14/320,966	7/1/2014	9,384,081	7/5/2016
HYBRID COMMUNICATIONS FOR DEVICES ON VEHICLES	14/225,017	3/25/2014	9,369,991	6/14/2016
OPTIMIZING USAGE OF MODEMS FOR DATA DELIVERY TO DEVICES ON VEHICLES	14/225,077	3/25/2014	9,326,217	4/26/2016
MESH NETWORK BASED AUTOMATED UPLOAD OF CONTENT TO AIRCRAFT	14/553,641	11/25/2014	9,287,999	3/15/2016
DYNAMIC TIME BASED PRODUCTS	14/291,562	5/30/2014	9,258,432	2/9/2016
SYSTEMS AND METHODS FOR TWO-PART ELECTRONIC DEVICE REGISTRATION	14/291,558	5/30/2014	9,232,546	1/5/2016
DATA DELIVERY TO DEVICES ON VEHICLES USING MULTIPLE FORWARD LINKS	14/225,050	3/25/2014	9,197,314	11/24/2015
DETERMINING HUMAN STIMULI AT COMPUTING DEVICES	13/781,841	3/1/2013	9,147,065	9/29/2015
Communication System and Method for Nodes Associated with a Vehicle	13/675,194	11/13/2012	9,087,193	7/21/2015
GROUND SYSTEM FOR VEHICLE DATA DISTRIBUTION	13/675,190	11/13/2012	9,088,613	7/21/2015
LINE REPLACEABLE UNIT WITH UNIVERSAL HEAT SINK RECEPTACLE	13/799,869	3/13/2013	8,982,562	3/17/2015
MESH NETWORK BASED AUTOMATED UPLOAD OF CONTENT TO AIRCRAFT	13/544,742	7/9/2012	8,934,893	1/13/2015
SYSTEM FOR PROVIDING HIGH SPEED COMMUNICATIONS SERVICE IN AN AIRBORNE WIRELESS CELLULAR NETWORK	12/137,995	6/12/2008	8,914,022	12/16/2014
SYSTEM FOR TRANSMITTING WIRELESS HIGH-SPEED DATA SIGNALS BETWEEN A TERRESTRIAL-BASED ANTENNA AND AN AIRCRAFT	13/222,722	8/31/2011	8,700,032	4/15/2014
TRAFFIC SCHEDULING SYSTEM FOR WIRELESS COMMUNICATIONS	13/009,579	1/19/2011	8,457,627	6/4/2013
DIFFERENTIATED SERVICES CODE POINT MIRRORING FOR WIRELESS COMMUNICATIONS	13/009,687	1/19/2011	8,452,276	5/28/2013
MULTI-LINK AIRCRAFT CELLULAR SYSTEM FOR SIMULTANEOUS COMMUNICATION WITH MULTIPLE TERRESTRIAL CELL SITES	11/590,379	10/31/2006	8,447,292	5/21/2013
SPECTRUM SHARING BETWEEN AN AIRCRAFT-BASED AIR-TO-GROUND COMMUNICATION SYSTEM AND EXISTING GEOSTATIONARY SATELLITE SERVICES	13/172,539	6/29/2011	8,442,519	5/14/2013
SYSTEM FOR MANAGING VOICE OVER INTERNET PROTOCOL COMMUNICATIONS IN A NETWORK	12/029,298	2/11/2008	8,185,040	5/22/2012
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	3/27/2012
CABIN TELECOMMUNICATION UNIT	12/707,070	2/17/2010	8,140,732	3/20/2012
SYSTEM FOR CREATING AN AIRCRAFT-BASED INTERNET PROTOCOL SUBNET IN AN AIRBORNE WIRELESS CELLULAR NETWORK	12/060,674	4/1/2008	8,081,968	12/20/2011
SYSTEM FOR CREATING AN AIRCRAFT-BASED	12/060,662	4/1/2008	8,081,969	12/20/2011

INTERNET PROTOCOL SUBNET IN AN AIRBORNE WIRELESS CELLULAR NETWORK				
SYSTEM FOR CUSTOMIZING ELECTRONIC CONTENT FOR DELIVERY TO A PASSENGER IN AN AIRBORNE WIRELESS CELLULAR NETWORK	12/021,125	1/28/2008	8,078,163	12/13/2011
SIP CLIENT-BASED LOCAL NUMBER PORTABILITY THROUGH AN AIRCRAFT AIR-TO-GROUND LINK	12/423,555	4/14/2009	8,073,443	12/6/2011
SYSTEM FOR CUSTOMIZING ELECTRONIC SERVICES FOR DELIVERY TO A PASSENGER IN AN AIRBORNE WIRELESS CELLULAR NETWORK	12/021,169	1/28/2008	8,068,829	11/29/2011
SYSTEM FOR MANAGING AN AIRCRAFT- ORIENTED EMERGENCY SERVICES CALL IN AN AIRBORNE WIRELESS CELLULAR NETWORK	12/182,834	7/30/2008	8,060,083	11/15/2011
SYSTEM FOR TRANSMITTING WIRELESS HIGH-SPEED DATA SIGNALS BETWEEN A TERRESTRIAL-BASED ANTENNA AND AN AIRCRAFT	10/378,203	3/3/2003	8,032,135	10/4/2011
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	4/5/2011
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	1/28/2008	7,702,328	4/20/2010
CABIN TELECOMMUNICATION UNIT	10/241,723	9/11/2002	7,689,752	3/30/2010
AIR-TO-GROUND CELLULAR NETWORK FOR DECK-TO-DECK CALL COVERAGE	11/240,975	9/30/2005	7,640,016	12/29/2009
METHOD AND APPARATUS FOR COMMUNICATION WITH A MOBILE UNIT	08/988,457	12/10/1997	6,799,037	9/28/2004

PENDING PATENTS

Title	Appl. No.	Filed	Patent No.	Issue Date
WIRELESS CABIN SEATBACK SCREEN LOCATION DETERMINATION	16/454,522	6/27/2019		
MULTI-CARRIER POWER POOLING	16/440,028	6/13/2019		
SYSTEMS AND METHODS FOR DELIVERING COMMUNICATIONS VIA UNICAST AND MULTICAST PATHS SIMULTANEOUSLY	62/843,079	5/3/2019		
SYSTEMS AND METHODS FOR AVERTING UNSANCTIONED ACCESS TO ON-BOARD VEHICLE NETWORKS	16/374,359	4/3/2019	--	--
MULTIPLE ANTENNA SYSTEM AND METHOD FOR MOBILE PLATFORMS	16/372,043	4/1/2019	--	--
DUAL FIDELITY CONNECTIVITY ON-BOARD A VEHICLE	16/364,295	3/26/2019	--	--
AIR-TO-GROUND CO-CHANNEL INTERFERENCE AVOIDANCE SYSTEM	16/355,071	3/15/2019	--	--
MULTI-CONSTELLATION SATELLITE TERMINAL	16/272,458	2/11/2019	--	--
SYSTEMS AND METHODS FOR DETECTING SATELLITE-BASED COMMUNICATION INTERFERENCE	16/263,814	1/31/2019	--	--
IN-VEHICLE CONTENT DELIVERY SYSTEM OPERABLE IN AUTONOMOUS MODE AND NON-AUTONOMOUS MODE	16/257,972	1/25/2019	--	--
PASSENGER LOCATION PLATFORM	16/200,920	11/27/2018	--	--
ON-BOARD SELF-HEALING NETWORK FOR DELIVERY OF VEHICLE PASSENGER-CONSUMABLE CONTENT	16/053,374	8/2/2018	--	--
DYNAMIC LOAD BALANCING OF SATELLITE BEAMS	15/844,055	12/15/2017	--	--
MOBILE TELE-COMPUTER NETWORK FOR MOTION PICTURE, TELEVISION AND TV ADVERTISING PRODUCTION	90/012,810	3/20/2013	--	--
DYNAMIC EFFECTIVE RADIATED POWER (ERP) ADJUSTMENT	16/194,741	11/19/2018	--	--
PRESENCE-BASED NETWORK AUTHENTICATION	16/175,291	10/30/2018	--	--
SYSTEMS AND METHODS FOR FACILITATING PREDICTIVE NOISE MITIGATION	16/139,544	9/24/2018	--	--
Multiple Modem Communication System and Method for a Mobile Platform	15/965,245	4/27/2018	--	--
COMMUNICATION SYSTEM AND METHOD FOR NODES ASSOCIATED WITH A VEHICLE	15/939,752	3/29/2018	--	--
MESH NETWORK BASED AUTOMATED UPLOAD OF CONTENT TO AIRCRAFT	15/873,179	1/17/2018	--	--

OPPORTUNISTIC BALANCING IN MULTIPLE LINKS	15/675,381	8/11/2017	--	--
Optimized Wireless Content Loading Scheduler	15/622,409	6/14/2017	--	--
RADOME HAVING LOCALIZED AREAS OF REDUCED RADIO SIGNAL ATTENUATION	15/468,808	3/24/2017	--	--
MULTIPLE ANTENNA SYSTEM AND METHOD FOR MOBILE PLATFORMS	15/382,227	12/16/2016	--	--
USAGE-BASED BANDWIDTH OPTIMIZATION	15/264,066	9/13/2016	--	--
USER DIRECTED BANDWIDTH OPTIMIZATION	15/263,921	9/13/2016	--	--
USAGE-BASED BANDWITH OPTIMIZATION	15/264,193	9/13/2016	--	--
SYSTEMS AND METHODS FOR AUTHENTICATING APPLICATIONS TO ON-BOARD SERVICES	15/092,884	4/7/2016	--	--
DYNAMIC SATELLITE BEAM SWITCHING	16/195,248	11/19/2018	--	--
MULTI-CARRIER POWER POOLING	16/193,937	11/16/2018	--	--
Wireless Cabin Seatback Screen Location Determination	15/659,042	7/25/2017	--	--
AIR-TO-GROUND CO-CHANNEL INTERFERENCE AVOIDANCE SYSTEM	15/228,209	8/4/2016	--	--
VEHICLE DATA DISTRIBUTION SYSTEM AND METHOD	13/675,200	11/13/2012	--	--

Copyright Security Agreement dated as of August 26, 2019, by Gogo LLC in favor of Administrative Agent, was recorded with the United States Copyright Office on September 4, 2019 at Volume 9966 Doc. Number 346.

COPYRIGHT REGISTRATIONS

Mark	Author	Reg. Date	Reg. No.
Aircell cloud design	Gogo LLC	December 13, 2012	VA0001853407
Gogo cloud design.	Gogo LLC	December 13, 2012	VA0001853402

Trademark Security Agreement dated as of April 22, 2020, by Gogo LLC in favor of Administrative Agent, was recorded with the United States Patent and Trademark Office on April 23, 2020 at Reel/Frame 6921/0818.

Gogo LLC Trademark Registrations

Mark	App. No.	App. Date	Reg. No.	Reg. Date	Status
GOGO MIX	88649886	10/10/2019			Published

Patent Security Agreement dated as of April 22, 2020, by Gogo LLC in favor of Administrative Agent, was recorded with the United States Patent and Trademark Office on April 23, 2020 at Reel/Frame 52476/0926.

Title	App. No.	Filed	Patent No.	Issue Date	Status
DYNAMIC SATELLITE BEAM SWITCHING	16/537,890	8/12/2019	10,574,340	2/25/2020	Issued
SYSTEMS AND METHODS FOR DETECTING SATELLITE-BASED COMMUNICATION INTERFERENCE	16/804,647	2/28/2020	--	--	Pending
SYSTEMS AND METHODS FOR ACCESSING AN AIR-TO-GROUND NETWORK	16/799,374	2/24/2020	--	--	Pending
METHODS AND APPARATUS TO DECREASE DOMAIN NAME SYSTEM (DNS) LOOKUP TIMES FOR AIRBORNE CLIENTS	62/970,443	2/5/2020	--	--	Pending
MULTI-CONSTELLATION SATELLITE TERMINAL	16/751,442	1/24/2020	--	--	Pending
DYNAMIC SATELLITE BEAM SWITCHING	16/746,015	1/17/2020	--	--	Pending
USER DIRECTED BANDWIDTH OPTIMIZATION	16/693,965	11/25/2019	--	--	Pending
CAPTIVE PORTAL POP UP SUPPRESSION	16/656,932	10/18/2019	--	--	Pending
AN ANTENNA EMBEDDED IN A RADOME OF AN AIRCRAFT	62/913,539	10/10/2019	--	--	Pending
MESH NETWORK BASED AUTOMATED UPLOAD OF CONTENT TO AIRCRAFT	16/665,905	10/28/2019	--	--	Published
MULTIPLE MODEM COMMUNICATION SYSTEM AND METHOD FOR A MOBILE PLATFORM	16/585,508	9/27/2019	--	--	Published
VEHICLE DATA DISTRIBUTION SYSTEM AND METHOD	16/538,013	8/12/2019	--	--	Published
SYSTEMS AND METHODS FOR FACILITATING PREDICTIVE NOISE MITIGATION	16/665,450	10/28/2019	--	--	Allowed
MULTI-CARRIER POWER POOLING	16/814,672	3/10/2020	--	--	Pending
DYNAMIC LOAD BALANCING OF SATELLITE BEAMS	16/814,628	3/10/2020	--	--	Pending

The following agreements were not filed with the United States Patent and Trademark Office or United States Copyright Office, but are listed for completeness:

Trademark Security Agreement dated as of March 9, 2021, by Gogo Business Aviation LLC in favor of Administrative Agent.

Patent Security Agreement dated as of March 9, 2021, by Gogo Business Aviation LLC in favor of Administrative Agent.

Copyright Security Agreement dated as of March 9, 2021, by Gogo Business Aviation LLC in favor of Administrative Agent.