506617218 04/19/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6664025

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BRYAN ADRIAN LAUER	09/06/2016
PATRICK J. WALSH	09/08/2016
SARA B. ROSSIO	09/08/2016
RACHEL MORRIS	08/23/2016

RECEIVING PARTY DATA

Name:	GOGO BUSINESS AVIATION LLC
Street Address:	105 EDGEVIEW DRIVE
City:	BROOMFIELD
State/Country:	COLORADO
Postal Code:	80021

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17234134

CORRESPONDENCE DATA

Fax Number: (312)474-0448

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: (312) 474-6300

Email: docket@marshallip.com, gcorro@marshallip.com

Correspondent Name: MARSHALL, GERSTEIN & BORUN LLP

Address Line 1: 233 S. WACKER DRIVE Address Line 2: 6300 WILLIS TOWER

Address Line 4: CHICAGO, ILLINOIS 60606-6357

ATTORNEY DOCKET NUMBER:	32060/50322-CON2
NAME OF SUBMITTER:	GLORIA CORRO
SIGNATURE:	/Gloria Corro/
DATE SIGNED:	04/19/2021

Total Attachments: 6

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PATENT 506617218 REEL: 055961 FRAME: 0741

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PATENT REEL: 055961 FRAME: 0742

ASSIGNMENT

Serial No: 15/263,921

Filed: September 13, 2016

Title: USER DIRECTED BANDWIDTH OPTIMIZATION

For good and valuable consideration, the receipt and sufficiency of which are hereby agreed, each of the undersigned agrees to assign and hereby assigns to GOGO LLC, 111 North Canal Street, Suite 1500, Chicago, Illinois 60606 and its successors and assigns ("Assignee") the entire right, title, and interest in and to the inventions of such undersigned that are disclosed in the application listed above. Also assigned are (i) all rights in any and all other applications anywhere in the world that the undersigned may file and/or be named as an inventor of, solely or jointly, on said inventions, (ii) all rights in any and all patents that may be obtained on any of said applications, and (iii) all rights in any and all reissues, reexaminations, supplemental examinations, inter partes reviews, oppositions, post-grant reviews, supplementary protection certificates, and/or extensions thereof. The rights assigned include without limitation, the right to bring suit, the right to claim and retain all damages and/or seek other remedies for the past, present, and future infringement of any of the foregoing, and the right of priority (including without limitation the right to claim priority benefit of or to said patent applications.) The undersigned request the Commissioner for Patents in the United States and similar authorities outside the United States to issue said patents to and in the name of Assignee.

Each of the undersigned authorizes the attorneys of record in the application listed above to insert in this assignment the filing date and application number of the application listed above when officially known.

Each of the undersigned states that the application listed above is or was made or authorized to be made by him or her. Each of the undersigned believes himself or herself to be the original inventor or an original joint inventor of a claimed invention in the application listed above. Each of the undersigned acknowledges that any willful false statement made by him or her in this paragraph is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five years, or both.

Except in favor of Assignee, each of the undersigned warrants that: (i) he or she is the owner of all its rights, title and interests herein assigned and has the right to make this unconditional and irrevocable assignment to Assignee without obtaining any approval or permission of a third party; and (ii) there are no outstanding encumbrances, liens, prior assignments, licenses, or other obligations or restrictions on the rights, title and interests herein assigned.

Upon the request of Assignee and at no expense to the undersigned, each of the undersigned hereby agrees to execute any and all applications on said inventions (including without limitation applications or requests for the reissue, reexamination, or extension of the patent or for a supplementary protection certificate) and any oath, declaration, or affidavit relating thereto that Assignee may deem necessary or expedient, and to cooperate to the best of the ability of the undersigned with Assignee and perform any and all affirmative acts requested by

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Assignee to prepare, file, prosecute, maintain, defend, enforce, and vest in Assignee the rights, title, and interests assigned herein. These acts include, without limitation, preparing and executing statements and giving and producing evidence in support thereof, whereby said rights, title and interests will be held and enjoyed by Assignee to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

On behalf of Assignee,	Saumil Mehta
	Name
	Assistant General Counsel, GOGO LLC
	Title
hereby confirms Assignee's	acceptance, of all rights, privileges, title and interests conveyed by this assignment.
	avoid Mehter 9-9-16
,	Signature Date

WITNESS our hands this	6th day or <u>September</u> , 2016.
State of Things County of Codic	Bryan Adrian Laner
Notary Public in and for the Count persons whose names are subscribe instrument as their free and volunta	day of Selfentes, 2016, before me, a y and State aforesaid, appeared, to me personally known to be the same at to the foregoing instrument, and acknowledged that they executed said any act and for the uses and purposes therein expressed.
My Commission Expires:	March 8,2017 Mills Like Notary Public
	OFFICIAL SEAL NICOLE LEKAS Notary Public - State of Illinois Ny Commission Expires May, 8, 2017

WITNESS our hands this		<u> </u>	day of	September, 2016.		
State of TNASCO County of COSS		Patrick J. Wydsh				
persons whose natinstrument as their	na for the County nes are subscribe	and State afor d to the forego ry act and for t	esaid, appeare ing instrument, he uses and pu	a, to me pe , and ackno rposes ther		
My Commission I	Expíres:	March 8	1007	11	Notary Public	

OFFICIAL SEAL NICOLE LEKAS Notary Public - State of Illinois My Commission Expires Mar. 8, 2017

WITNESS our hands this		day of September, 2016	<u>a.</u> *
State of Things County of Cook		Sara D. Rossio	······································
persons whose names are subscribe instrument as their free and volunta	d to the foregoing instrument		
My Commission Expires:	Mars 8,3017	Notary Public	***************************************
		OFFICIAL SEAI NICOLE LEKA! Notary Public - State of My Commission Expires M	S of Illinois

WITNESS our hands	this _	230	day of	August		2016 .
State of TUYDS County of COUL		Ra	Collection Mor	/Novis ris	·	
On this Notary Public in and for the Co persons whose names are subsc instrument as their free and voh WITNESS my hand a	ribed to the foregoin untary act and for the	said, appeared, g instrument, a e uses and purp	to me pen nd acknov oses there	sonally know vledged that in expressed	vn to be the the	same
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