#### 505790825 11/25/2019

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5837653

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
GANESHAN RAMACHANDRAN	09/24/2019
ROBERT TORRES	09/24/2019
GEORGE CHOQUETTE	09/21/2019

## **RECEIVING PARTY DATA**

Name:	HUGHES NETWORK SYSTEMS, LLC
Street Address:	11717 EXPLORATION LANE
City:	GERMANTOWN
State/Country:	MARYLAND
Postal Code:	20876

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16583004

## CORRESPONDENCE DATA

Fax Number: (202)315-0396

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: 202.292.4690

Email: docketing@jonesrobb.com

JONES ROBB PLLC **Correspondent Name:** Address Line 1: 1420 SPRING HILL RD.

Address Line 2: **SUITE 325** 

Address Line 4: MCLEAN, VIRGINIA 22102

ATTORNEY DOCKET NUMBER:	P2019-03-05
NAME OF SUBMITTER:	LEONID D. THENOR
SIGNATURE:	/Leonid D. Thenor/
DATE SIGNED:	11/25/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

## **Total Attachments: 3**

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source=31W4389-1179\_0035\_00000\_Combined-Dec\_TORRES#page1.tif

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# **DECLARATION UNDER 37 CFR §1.63 AND ASSIGNMENT**

Docket no. P2019-03-05

Alt. docket no. 1179.0035-00000

As the undersigned inventor, I hereby declare that this Declaration under 37 CFR §1.63 is directed to the following invention:

		M AND METHOD FOR IMPROVING NETWORK PERFORMAN S SCHEMES	CE WHEN USING SECURE DN
U.S. a	pplicati	on serial number or PCT international application number	
Filed o	on		<u> </u>
The al	oove-id	entified application was made or authorized to be made by me	<b>∂</b> .
l belie applica		I am the original inventor or an original joint inventor of a	claimed invention in the
WHEF	REAS,	Hughes Network Systems, LLC	
whose	busine	ss address is	
		11717 Exploration Lane, Germantown, MD 20876	
, .	ei .	T 10 0 A001010TT 1 2 (00 2 10 00 2)	4 434

hereinafter referred to as the ASSIGNEE, desires to acquire the entire right, title and interest for the United States and elsewhere throughout the world in and to said invention and application, including any and all divisions and continuations thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof.

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt, adequacy and sufficiency of which are hereby acknowledged, the undersigned hereby assigns, sells and transfers to said ASSIGNEE, its assigns and legal representatives, the entire right, title and interest for the United States and elsewhere throughout the world, in and to said invention and application, including any and all divisions and continuations thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any way arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives, in as ample and as beneficial a manner for all intents and purposes as the undersigned might or could have held and enjoyed the same had this assignment not been made.

The undersigned hereby agrees to execute all papers necessary to file said applications in the United States and elsewhere throughout the world, and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing any and all Letters Patent thereon. The undersigned authorizes and requests the Commissioner of Patents to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

I hereby acknowledge that any willful false statement made in this Declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR:	Ganeshan RAMACHANDRAN
INVENTOR SIGNATURE:	ceres Hores . R.
DATE: 01/24/2019	

## **DECLARATION UNDER 37 CFR §1.63 AND ASSIGNMENT**

Docket no. 22019-03-03

Alt. docket no. 1179.0035-00000

As the undersigned inventor, I hereby declare that this Declaration under 37 CFR §1.63 is directed to the following invention:

Title: SYSTE	EM AND METHOD FOR IMPROVING NETWORK PERFORMANCE WHEN USING SECURE SS SCHEMES	i Di
U.S. applicat	tion serial number or PCT international application number	*******
Filed on		
The above-id	dentified application was made or authorized to be made by me.	
I believe tha application.	at I am the original inventor or an original joint inventor of a claimed invention in the	
WHEREAS,	Hughes Network Systems, LLC	
whose busing	ess address is	
	11717 Exploration Lane, Germantown, MD 20876	

hereinafter referred to as the ASSIGNEE, desires to acquire the entire right, title and interest for the United States and elsewhere throughout the world in and to said invention and application, including any and all divisions and continuations thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof.

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LEGAL NAME OF INVENTOR:	Robert TORRES
INVENTOR SIGNATURE:	
DATE: 9/24/2019	

# **DECLARATION UNDER 37 CFR §1.63 AND ASSIGNMENT**

<u>Docket no. P2019-03-05</u>

Alt. docket no. 1179,0035-00000

As the undersigned inventor, I hereby declare that this Declaration under 37 CFR §1.63 is directed to the following invention:

U.S. applica	tion serial number or PCT international application numbe	¥.	
Filed on			
The above-i	dentified application was made or authorized to be made I	w ma	
	version approximate read that or particulated to act to act	ay me.	
I believe the	at I am the original inventor or an original joint inventor		nvention in the
I believe the application.			nvention in the
I believe the application. WHEREAS,	at I am the original inventor or an original joint inventor		nvention in the

hereinafter referred to as the ASSIGNEE, desires to acquire the entire right, title and interest for the United States and elsewhere throughout the world in and to said invention and application, including any and all divisions and continuations thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof.

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LEGAL NAME OF INVENTOR:	George CHOQUETTE	
INVENTOR SIGNATURE:	Gross of Manuelle	
DATE: 21 5 19		

PATENT REEL: 051105 FRAME: 0832

RECORDED: 11/25/2019