#### 503603441 12/09/2015

#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3650071

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
CHARLES E. CLAGETT	09/08/2015
LUIS H. SANTOS SOTO	12/09/2015
SCOTT V. HESH	09/08/2015
SALMAN SHEIKH	09/08/2015
MICHAEL HESSE	11/25/2015
NIKOLAOS PASCHALIDIS	11/21/2015
MICHAEL A. JOHNSON	11/24/2015
APRILLE J. ERICSSON	12/03/2015
SCOTT R. STARIN	12/02/2015

#### **RECEIVING PARTY DATA**

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City:	WASHINGTON
State/Country:	D.C.
Postal Code:	20546

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

Property Type	Number
Application Number:	14850708

#### CORRESPONDENCE DATA

Fax Number: (301)286-9502

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.

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**Correspondent Name:** MILELENE GUNYON

NASA GODDARD SPACE FLIGHT CENTER Address Line 1: Address Line 2: OFFICE OF PATENT COUNSEL M/S 140.1

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> **PATENT** REEL: 037248 FRAME: 0147

503603441

ATTORNEY DOCKET NUMBER:	GSC-17152-1
NAME OF SUBMITTER:	MILELENE GUNYON
SIGNATURE:	/milelene gunyon/
DATE SIGNED:	12/09/2015
Total Attachments: 9 source=Assignment-final-12-9-15#page	1.tif
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invanics(s):	Chades E. Cinco Moinel Hence, I	nii iule II. Junine Vikolace Freshalk	. Scott V. Hesh, Short S St. Michsel A. Johnson	i. Andre J. Es	ing Silvellis
HASA Coso No.:	G8/0-17182-1	Application No.*:	14/3.50,708	<sup>7</sup> Fläng Date":	9/10/15
WHEREAS, the par Government (herea Atministration;	for in this Assignment for Government), se	ot and Agreement as represented by the :	ra Sie undersigned Svent Nümbetretor of Sie Nebe	d i asite inner læker	ded Strim And Space
WHEREAS, the mal	đng cí thia Andgrana:	ni and Agreement is	i lin samonia mos isten 57 Cl	FR Fan <b>30</b> 1; an	Ú
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2. Agree to one	i to Sm Covernment	my (cur) žili sed se	sitaive forekon dynis in en	d in said invent	on, In
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Title of Invention:

### Assignment to the Government (by Government Employee)

i itie of invention:	SYSTEM AND N	METHOD FOR AN	INTEGRATED	SATELLITI	PLATE	ORM
Inventor(s):	Charles E. Clag Michael Hesse,	ett, Luis H. Santos Nikolaos Paschali	, Scott V. Hesh dis, Michael A.	, Scott R. S Johnson, A <sub>l</sub>	tarin, Salr orille J. Er	man Sheikh, ricsson
NASA Case No.:	GSC-17152-1	Application No.*:	14/850,	708 Fillin	ng Date*:	9/10/15
WHEREAS, the par Government (hereal Administration;	ties to this Assignme fter Government), as	nt and Agreement a represented by the	re the undersigne Administrator of	ed inventor(s) he National A	and the U Aeronautic	Inited States s and Space
WHEREAS, the mal	king of this Assignme	ent and Agreement is	s in accordance v	vith 37 CFR F	Part 501; a	nd
WHEREAS, the und States Patent on the	ersigned inventor(s) above-entitled inve	has (have) executed ntion.	d, on the date(s)	indicated belo	ow, an app	lication for United
NOW THEREFORE  1. Assign to the America, its territoric corresponding contin	, in consideration of Government my (ou es and possessions, nuation or divisional	r) full and exclusive and my (our) entire :	right in and to sa right, title and into	id invention werest in and to	ithin the U	Inited States of lication, and any
2. Agree to gran accordance with 37 amended. If the Gov ccuntry, in accordan nonexclusive, irrevolutions.	ernment chooses no ce with 37 CFR 501. cable, royalty-free lic	ling rights of priority of to file an application 9(d), and such rights ense in the invention	under the Interna in in any foreign o is will be subject to is with power to gi	tional Conve country, I (we o the reserva ant licenses	ntion of Pa ) may requ tion to the for all gove	iris (1883), as lest rights in that Government of a ernmental
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above when required	i request the attorne I.	ys or record in the ap	oplication to inse	t the applicat	ion numbe	er and filing date
(Signature of Inventor)			Date Assignment E	(ecuted)	(Date Annli	cation Executed)
Charles E. Clagett	<del>}</del>	-	an Point Road /	·		oanon Excouracy
(Inventor's Typed Nam			dress - Including Co		₩ Z0007	
/Luis H. Santos S	nto/		12/09/2019	<b>5</b>		
(Signature of Inventor)			Date Assignment E		(Date Appli	cation Executed)
Luis H. Santos (Inventor's Typed Nam	e)	37060 Ne	ptune Court Gr dress - Including Co	eenbackville		· ·
(Signature of Inventor)		·	)ate Assignment E)	ecuted)	(Date Annli	cation Executed)
Scott V. Hesh		•	Rodger Drive	•		*
(Inventor's Typed Nam	e)		iress - Including Co		IIIC VA Z	

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Tible of Invention:

## Assignment to the Government (by Government Employee)

inge of invention:	SYSTEM AND N	METHOD FOR AN	INTEGRATED SATELL	LITE PLATEORM
Inventor(s):	Charles E. Clage Michael Hesse, I	ett, Luis H. Santos, Nikolaos Paschalid	Scott V. Hesh, Scott R is, Michael A. Johnson,	Starin, Salman Shelkh, Aprille J. Ericsson
NASA Case No.:	<u>GSC-17152-1</u>	Application No.*:	14/850,708	Filing Date*: 1/10/15
WHEREAS, the part Government (hereal Administration;	ties to this Assignme fler Government), as	nt and Agreement an	s the undersigned invento	r(s) and the United States al Aeronautica and Space
WHEREAS, the mak	king of this Assignme	nt and Agreement is	in accordance with 37 CF	R Part 501; and
	lersigned inventor(s) above-entitled inver		, on the date(s) indicated i	below, an application for United
<ol> <li>Assign to the Vmerica, its territorie</li> </ol>	Government my (ou s and possessions,	r) full and exclusive ri and my (our) entire ri	iovernment, the undersign ight in and to said inventio ght, title and interest in an y patent(s) that may issue	on within the United States of ad to said application, and any
scordance with 37 ( emended. If the Gov ountry, in accordan- scnexclusive, irrevox	CFR 501.9(d), includ emment chooses no ce with 37 CFR 501. cable, royalty-free lice	ing rights of priority u t to file an application 9(d), and such rights anse in the invention	in any foreign country, I ( will be subject to the rese with power to grant licens	nvention of Paris (1883), as (we) may request rights in that rvation to the Government of a
nformation to, and (c	expense of the Gove c) to cooperate in any y this Assignment ar	y manner with the Go	te any document for, (b) to evernment in order to allow	o deliver any requested v the Government to protect any
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	i,		plication to insert the appl ate Assignment Executed)	ication number and filing date  (Date Application Executed)
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bove when required (Signature of Inventor) Charles E. Clagett (Inventor's Typed Name (Signature of Inventor) (Lis H. Santos	i. Lee)	(Di 1909 Brya (Mailing Addi (Di 37060 Nep	ate Assignment Executed)  n Point Road Accokeek ress - Including Country)  ate Assignment Executed)  otune Court Greenback	(Date Application Executed)  MD 20607  (Date Application Executed)
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### Assignment to the Government (by Government Employee)

Title of Invention:	SYSTEM AND METH	OD FOR AN INTEGRATED SATEL	LITE PLATFORM
Inventor(s):	Chades E. Clagett, Lu Michael Hesse, Nikola	ils H. Santos, Scott V. Hash, Scott I ios Paschalidis, Michael A. Johnsoi	R. Starin, Saiman Sheikh, n, Aprille J. Ericsson
NASA Case No.:	GSC-17152-1 App	Nication No.*: 14/8-50, 708	Filing Date*: 4//0//5
WHEREAS, the par Government (herea Administration;	ties to this Assignment and fter Government), as repres	Agreement are the undersigned invent sented by the Administrator of the Natio	tor(s) and the United States
WHEREAS, the mai	king of this Assignment and	Agreement is in accordance with 37 C	FR Part 501; and
WHEREAS, the und States Patent on the	lersigned inventor(s) has (h s above-entitled invention.	ave) executed, on the data(s) indicated	I below, an application for United
<ol> <li>Assign to the America, its territoric</li> </ol>	Government my (our) full a se and possessions, and my	ment by the Government, the undersig and exclusive right in and to said invent y (cur) entire right, title and interest in a tilon(s) and any patent(s) that may issu	ion within the United States of and to said analization, and any
accordance with 37 amended. If the Gov country, in accordan nonexclusive, irrevol	CFR 501.9(d), including rigi ernment chooses not to file ce with 37 CFR 501.9(d), a cable, royalty-free license in	ur) full and exclusive foreign rights in ar his of priority under the International Co an application in any foreign country, I nd such rights will be subject to the res the Invention with power to grant licen pear, where practicable, in any foreign	orivention of Paris (1883), as I (we) may request rights in that ervation to the Government of a ses for all governments!
information to, and (	expense of the Governmer c) to cooperate in any menr ly this Assignment and Agn	nt, (a) to execute any document for, (b) ner with the Government in order to allo sement.	to deliver any requested w the Government to protect any
*4. Authorize and above when pour pour section (Signature of Inventor)	L Will	ecord in the application to insert the application to applicatio	·
Salman Shelkh (Inventor's Typed Nem		15633 MeWs Ct. Leurel-MD 207( (Mailing Address - Including Country)	(Date Application Executed)  17 1309 Chillian Dir  51 Yer Spring, MD 209104
(Signature of inventor)		(Date Assignment Executed)	(Date Application Executed)
Michael Hesse (Inventor's Typed Nam		2994 Valley View Road Annapol Mailing Address - Including Country)	. , ,
(Signature of Inventor)		(Date Assignment Executed)	(Data Application Executed)
Nikolaos Paschalio (Inventor's Typed Nam	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	(Mailing Address - Including Country)	



Title of Invention:	SYSTEM AND ME	THOD FOR AN	INTEGRATED SATEL	LITE PLATFORM
Inventor(s):	Charles E. Clagett Michael Hesse, Nil	Luis H. Santos, kolaos Paschalid	Scott V. Hesh, Scott Fi is, Michael A. Johnson	Starin, Salman Sheikh, , Aprille J. Ericsson
NASA Case No.:	GSC-17152-1	Application No.*:	14/850,708	Filing Date*: 9/10/2015
WHEREAS, the par Government (herea Administration;	ties to this Assignment fter Government), as re	and Agreement ar presented by the A	e the undersigned invento Administrator of the Nation	or(s) and the United States nal Aeronautics and Space
WHEREAS, the mal	king of this Assignment	and Agreement is	In accordance with 37 CI	FR Part 501; and
WHEREAS, the und States Patent on the	ersigned inventor(s) ha above-entitled invention	s (have) executed on.	, on the date(s) indicated	below, an application for United
<ol> <li>Assign to the America, Its territoris</li> </ol>	Government my (our) f s and possessions, and	full and exclusive r d my (our) entire ri	lovemment, the undersign ight in and to said invention ght, title and interest in an y patent(s) that may issue	on within the United States of
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(Signature of Inventor)	TEXT 200	(D	ate Assignment Executed)	(Date Application Executed)
Salman Sheikh		15633 Me	ws Ct. Laurel MD 2070	· ·
(Inventor's Typed Nam	e)	(Mailing Add	ress - Including Country)	
Mileal 1	hand a		11/25/15	
(Signature of Inventor)		(Di	ate Assignment Executed)	(Date Application Executed)
Michael Hesse (Inventor's Typed Nam	e)		y View Road Annapoli ess - Including Country)	s MD 21401
(Signature of Inventor)	99994	(D)	ate Assignment Executed)	(Date Application Executed)
vikolaos Paschalio	lis	(2)		(Sale repriseded)
Inventor's Typed Nam		(Mailing Addi	ress - Including Country)	1

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Title of invention:	SYSTEM AND M	ETHOD FOR AN J	INTEGRATED SATI	ELLITE PLATFORM	
inventor(s):	Charles E. Clage Michael Hesse, N	tt, Luis H. Santos, Jikolaos Paschalid	Scott V. Hesh, Scot is, Michael A. Johns	it R. Starin, Salman Sheikh, ion, Aprille J. Ericsson	777000000
NASA Case No.:	GSC-17152-1	Application No.*:	14/850,708	Filing Date*: 9/10/2015	
WHEREAS, the par Government (heree Administration;	ties to this Assignmen fter Government), as r	it and Agreement an represented by the A	e the undersigned inve Idministrator of the Na	entor(s) and the United States fional Aeronautics and Space	
WHEREAS, the ma	king of this Assignmen	nt and Agreement is	in accordance with 37	CFR Part 501; and	
MHEREAS, the unc States Fatent on the	dersigned inventox(s) he above-entitled inventor	tas (have) executed, tion.	on the date(s) indicat	ed below, an application for United	9
1. Assign to the ≀merica, its territorio	i, in consideration of e Government my (out) es and possessions, a nuation or divisional a	) full <i>and</i> exclusive ri nd my (our) entire ri	ght in and to said inve oht, title and interest in	otion within the United States of	
rocordance with 37 rmended. If the Gov ountry, in accordant ronexclusive, inevo	CFR 501.9(d), including remment chooses not see with 37 CFR 501.9 cable, royalty-free lice	ng rights of priority us to file an application (d), and such rights use in the invention	nder the international in any foreign country will be subject to the n with power to grant lice	and to said invention, in Convention of Paris (1883), as r, I (we) may request rights in that eservation to the Government of a enses for all governmental in patent which may issue on such	
normadon to, and (	expense of the Gover c) to cooperate in any by this Assignment and	manner with the Go	le any document for, (i vernment in order to a	to deliver any requested     itiow the Government to protect any	У
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Signature of inventor)	)	- /De	ite Assignment Executed	(Date Application Executed)	
Salman Sheikh Inventor's Typed Nam	<del>10</del> )		vs Ct. Laurel MD 20 ress - Including Country)	707	
Signature of (nventor)		(De	ite Assignment Executed	(Date Application Executed)	
Aichael Hesse	•		y View Road Annap		
Inventor's Typed Nam	4-710	(Mailing Addr	ess - Including Country)		
/Viosetic	11015	/	1/2\$/15	9/10/2015	
Signeture of Inventor)		(Da	te Assignment Executed		
likolaos Paschalio			House Lane, Silver	Spring, MD 20905	
inventor's Typed Nam	ie)	(Mailing Addn	ess - Including Country)		

NASA FORM 430 DEC 2000 FREVIOUS EDITIONS ARE OBSOLETE.



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2. Agree to gra	Bt to the Government	t my (our) full and exclusive foreign rights in and	then service time on make any
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States Patent on th	e above-entitled inver	nion.	sarow, an abbincation for Autoq
WHEREAS, the uni	dersianed inventor/s	has (have) executed, on the date(s) indicated to	scalasse on combondina land har
WHEREAS, the me	iking of this Assignme	ent and Agreement is in accordance with 37 CF	R Part 501; and
•			
Government (heres Administration:	mer Government), as	represented by the Administrator of the Nation	al Aeronautics and Space
WHEREAS, the pa	rties to this Assignme	ant and Agreement are the undersigned inventor	r(s) and the United States
NASA Case No.:	WWW-1(106")	Application No.*: 14/650, 708 F	Filling Date* 9/10/LS
NINCA MARKET	GSC-17152-1	14/150 700	Ola la
	Michael Hesse,	Nikolaos Paschalidis, Michael A. Johnson,	Aprille J. Ericsson
		ett, Luis H. Santos, Scott V. Hesh, Scott R	Starin Salman Shaikh
Inventor(s):	Charles E. Clag		
inventor(s):	Charles E. Clag		
inventor(s):		METHOD FOR AN INTEGRATED SATELL	UESIAIFUHM



Title of Invention:

## Assignment to the Government (by Government Employee)

	Charles E. Clagett, Luis H. Santos, Scott V. Hash, Scott R. Starin, Salman Sheikh, Michael Hesse, Nikolaos Paschalidis, Michael A. Johnson, Aprille J. Ericsson						
inventor(s):							
NASA Case No.:	GSC-17152-1	Application No.*:	14/850708	Filing Date*:	9/10/2015		
WHEREAS, the part Government (hereat Administration;	ias to this Assignment ter Government), as	nt and Agreement an represented by the A	e the undersigned in Administrator of the N	ventor(s) and the lational Aeronaut	United States ics and Space		
WHEREAS, the mel	dng of this Assignme	nt and Agreement is	in accordance with 3	17 CFR Part 501;	and		
WHEREAS, the und States Patent on the	ersigned inventor(s) i above-entitled inven	has (have) executed ition.	, on the date(s) indic	ated below, an a	optication for United		
Assign to the America, its territoria	, in consideration of a Government my (our as and possessions, a nuation or divisional a	') full <b>and exclusive</b> ri and my (our) entire ri	ight in and to said im oht, title and interest	ention within the	United States of plication, and any		
accordance with 37 ( amended, if the Gov country, in accordan	t to the Government CFR 501.9(d), includi ernment chooses not ce with 37 CFR 501.9 cable, royalty-free lice of such reservation	ng rights of priority u i to file an application Xd), and such rights inse in the invention	nder the Internations in any foreign count will be subject to the with power to grant I	al Convention of I try, I (we) may re reservation to the icenses for all no	Paris (1883), as quest rights in that a Government of a vernmental		
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*4. Authorize and above when required	request the attorney	s of record in the ap	plication to bisert the	application num	ber and filing date		
(Signature of Inventor)		(Di	ate Assignment Execut	ed) (Date Ap	Dication Executed)		
Michael A. Johnso (Inventor's Typed Nam	fi al	JARANIAA A JAJA		•			
(invesion & ryped reari	oj	(MBIINIG ACCI	ress - Including Country ;	0			
Lepalle I Co	<u> </u>	-	12/3/15				
(Signature of Inventor)		(Di	ate Absignment Execut	ed) (Date Ap	olication Executed)		
Aprille J. Ericsson (Inventor's Typed Name	1958 2nd Street, NW Washington DC 2000:1 (Mailing Address - Including Country)						
(Signature of Inventor)	***************************************	(De	ite Assignment Execute	ed) (Date Ap	Heation Executed)		
Carolt D Ctools							
Scott R. Starin (Inventor's Typed Name							

**PATENT** 

REEL: 037248 FRAME: 0156



ine or inversion:	SYSTEM AND METHOD FOR AN INTEGRATED SATELLITE PLATFORM							
Inventor(s):	Charles F. Clagatt, Luis H. Santos, Scott V. Heab, Scott R. Starin, Salman Sheikh, Michael Hesse, Nikolaos Paschalidis, Michael A. Johnson, Aprille J. Ericsson							
NASA Case No.:	GSC-17152-1	Application No.*:	14/850708	Filing Date*:	9/10/2015			
WHEREAS, the part Government (hereaft Administration;	les to this Assignmenter Government), as r	it and Agreement an represented by the A	s the undersigned im dministrator of the N	/entor(s) and the U lational Aeronautic	inited States s and Space			
WHEREAS, the mak	ing of this Assignmen	nt and Agreement is	in accordance with 3	7 CFR Part 501; a	nd			
WHEREAS, the unde States Patent on the	ersigned inventor(s) h above-entitled invent	nas (have) executed, tion.	on the data(s) indica	sted below, an app	lication for United			
NOW THEREFORE, 1. Assign to the of America, its territories corresponding contin	uovemment my (our) s and possessions, a	i full and exclusive ri Od my (our) entire ri	ght in and to said inv	ention within the U	nited States of cation, and any			
<ol> <li>Agree to grant accordance with 37 C amended. If the Gove country, in accordance nonexclusive, irrevocuring purposes. The terms invention.</li> </ol>	e with 37 CFR 501.9 able, movelty-free lices	ng rights of phonty us to file an application (d), and such rights to the in the invention of	ider the International in any foreign count will be subject to the	I Convention of Pa ry, I (we) may requireservation to the i	ris (1883), as eat rights in that Government of a			
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<ol> <li>Authorize and above when required.</li> </ol>	request the attorneys	of record in the app	ilication to insert the	application number	r and filling date			
(Signature of Inventor)		(Da	te Assignment Execute	d) (Date Applic	ation Executed)			
Michael A. Johnson (Inventor's Typed Nema	) )	 (Mailing Addn	ass - Including Country					
(Signature of Inventor) Aprille J. Ericsson	WICHOUGH AND	(De	te Assignment Execute	d) (Date Applic	ation Executed)			
(Inventor's Typed Name			nss-Including Country)					
(Signature of fiventor) Scott R. Starin		•	e Assignment Execute Pheart Ln, Bowle, A	- i franco a delestros	etion Executed)			
(Inventor's Typed Name)	(Malling Address - Including Country)							

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