506010442 04/12/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAVIER RODRIGUEZ DE LUIS	05/02/2019
ROBERT BAUMMER JR.	05/03/2019
NIL APAYDIN	05/03/2019

RECEIVING PARTY DATA

Name:	SPACE EXPLORATION TECHNOLOGIES CORP.
Street Address:	1 ROCKET ROAD
City:	HAWTHORNE
State/Country:	CALIFORNIA
Postal Code:	90250

PROPERTY NUMBERS Total: 1

Property Type	ype Number	
Application Number:	16276347	

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ATTORNEY DOCKET NUMBER:	104270-632499
NAME OF SUBMITTER:	SHILPA ARORA
SIGNATURE:	/Shilpa Arora/
DATE SIGNED:	04/12/2020

Total Attachments: 6

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PATENT 506010442 REEL: 052373 FRAME: 0863

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104270-632499

Attorney Docket No. SPEX168269

2017004bUSN1-Sat

ASSIGNMENT

WHEREAS, we, Javier Rodriguez De Luis, Robert Baummer Jr., Nil Apaydin, and

Alireza Mahanfar, are the inventors named in an application for Letters Patent of the United

States entitled ANTENNA-TO-BEAMFORMER ASSIGNMENT AND MAPPING IN

PHASED ARRAY ANTENNA SYSTEMS, Application No. 16/276347, filed

February 14, 2019;

AND, WHEREAS, Space Exploration Technologies Corp., a Delaware corporation

having a principal place of business at 1 Rocket Road, Hawthorne, California 90250 (hereinafter

referred to as ASSIGNEE), is desirous of acquiring our entire right and title to and interest in our

invention disclosed in said application;

NOW, THEREFORE, for sufficient, good, and valuable consideration, the receipt of

which is hereby acknowledged, we do hereby sell, assign, and transfer unto ASSIGNEE our

entire right and title to and interest in said application and said invention, including the right to

apply for international patents and patents thereon in foreign countries in our name or in the

name of ASSIGNEE, said invention and all applications and patents on said invention to be held

and enjoyed by ASSIGNEE as entirely as the same would have been held and enjoyed by us had

this sale, assignment, and transfer not been made; and we do hereby further agree and promise to

execute all instruments and render all such assistance as ASSIGNEE may request in order to

make and prosecute any and all applications on said invention, to enforce any and all patents on

said invention, and to confirm in ASSIGNEE legal title to said invention and all applications and

patents on said invention, all without charge to ASSIGNEE but at no expense to us.

//Signatures pages to follow//

SPEX\68269121 Page 1 of 6

PATENT

REEL: 052373 FRAME: 0865

2017004bUSN1-Sat

****	******	*******	********	*****
	Executed at _	REDMOND	(city), <u>Was/HNGTON</u>	_ (state),
this _	<u> 2nd</u> day o	f <u>may</u>	ى 2019.	
			Javier Rodriguez De Luis	
Witne	essed By:		A. 0-1100	
Date:	05/02/	2019	Signature Signature	
			Taylor A. Moore	
			Printed Name	***************************************

Executed at Redmand (city), Weshington (state), this 3'd day of May 2019.

Witnessed By:

Date: 05 03 2019

Signature Taylor A. Moore

	Executed at	Redmon	\ (city),	WA	(state)
his _	day of third	May	ے, 2019.		
			Nil Ap	aydin A	
	essed By:	,	c Ocar V	af Mone	,
)ate:	05/03/20)19	Signature	of noon	
			Taylor Printed Same	A. Moore	

*****	*********	**************	*********
Executed at		(city),	(state),
this	day of	, 2019.	
		Alireza Mahanfar	
Witnesse	d By:		
Date:			
		Signature	
		Printed Name	

Signed and hereby accepted on behalf of Assignce:

Space Exploration Technologies Corp.

Signature

Printed Name: Rachel Lovejoy

Title: Senior Counsel

ECP:SXA

SPEN/68269121

RECORDED: 04/12/2020

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