

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7434630

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT																		
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNMENT RECORDATION TO REMOVE THE TITLE "MR." FROM DONG CHEN'S NAME previously recorded on Reel 058634 Frame 0742. Assignor(s) hereby confirms the ASSIGNMENT.																		
CONVEYING PARTY DATA																			
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>FENG LI</td><td>12/28/2021</td></tr><tr><td>FENGLONG HOU</td><td>12/28/2021</td></tr><tr><td>YU QI</td><td>12/28/2021</td></tr><tr><td>XIAOXIONG LIN</td><td>12/28/2021</td></tr><tr><td>SHENGWEI PEI</td><td>12/28/2021</td></tr><tr><td>DONG CHEN</td><td>12/28/2021</td></tr><tr><td>XINGANG LI</td><td>12/28/2021</td></tr><tr><td>ZEYU BAO</td><td>12/28/2021</td></tr></tbody></table>	Name	Execution Date	FENG LI	12/28/2021	FENGLONG HOU	12/28/2021	YU QI	12/28/2021	XIAOXIONG LIN	12/28/2021	SHENGWEI PEI	12/28/2021	DONG CHEN	12/28/2021	XINGANG LI	12/28/2021	ZEYU BAO	12/28/2021	
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CORRESPONDENCE DATA																			
Fax Number:	(248)641-0270																		
<i>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.</i>																			
Phone:	248.641.1273																		
Email:	troy@mailroom@harnessip.com, ksmith@harnessip.com																		
Correspondent Name:	HARNESS, DICKEY & PIERCE, P.L.C.																		
Address Line 1:	5445 CORPORATE DRIVE																		
Address Line 2:	SUITE 200																		
Address Line 4:	TROY, MICHIGAN 48098																		
ATTORNEY DOCKET NUMBER:	15157-000788-US-NP																		

PATENT

NAME OF SUBMITTER:	KELLY J SMITH
SIGNATURE:	/Kelly J Smith/
DATE SIGNED:	07/15/2022
Total Attachments: 5 source=15157-788-NP_Assignment_Executed#page1.tif source=15157-788-NP_Assignment_Executed#page2.tif source=15157-788-NP_Assignment_Executed#page3.tif source=Incorrect_Cover_Sheet#page1.tif source=Incorrect_Cover_Sheet#page2.tif	

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PATENT**REEL: 060669 FRAME: 0140**

NAME OF SUBMITTER:	MATTHEW OSTERMAN
Signature:	/Matthew Osterman/
Date:	01/12/2022
Total Attachments: 3 source=15157-788-NP_Assignment_Executed#page1.tif source=15157-788-NP_Assignment_Executed#page2.tif source=15157-788-NP_Assignment_Executed#page3.tif	
RECEIPT INFORMATION EPAS ID: PAT7117983 Receipt Date: 01/12/2022	

ASSIGNMENT

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

METHOD FOR SHARING RADIO SPECTRUM ON BASIS OF BEAM CONSTANT OFFSET, AND LOW-ORBIT COMMUNICATION SATELLITE SYSTEM

for which Assignor is about to make or has made United States or International application for patent

- (a) ☐ executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration);
- (b) ☐ executed on _____, _____, _____; or
- (c) ☒ filed on 30 June 2020 and assigned Serial No. _____ or PCT International Application No. PCT/CN2020/099137 and

WHEREAS, CHINA ACADEMY OF SPACE TECHNOLOGY, Yard 104, Youyi Road, Haidian District, Beijing, 100094, P.R. China, hereinafter referred to as Assignee, is desirous of acquiring all right, title, and interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights.

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, any derivation proceedings relating thereto, and as to Letters Patent any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension thereof, and for litigation regarding, or for the purpose of defending the validity of or protecting title to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee and its successors in interest without further or other compensation than that above set forth.

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment. Assignor further covenants not to challenge, or assist or participate in any third party challenge to, the assigned inventions, or any patent application or patent thereon, whether by litigation, post grant review, inter partes review, covered business method review, reexamination, or otherwise.

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or

Attorney Docket No. 15157-000788-US-NP

ASSIGNMENT

countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

The undersigned hereby grant(s) the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Feng LI

李峰

Dated

2021.12.28

Witness

刘延风

Witness

范为

Fenglong HOU

侯凤龙

Dated

2021.12.28

Witness

刘延风

Witness

范为

Yu QI

余奇

Dated

2021.12.28

Witness

刘延风

Witness

范为

Xiaoxiong LIN

林骁雄

Dated

2021.12.28

Witness

刘延风

Witness

范为

Shengwei PEI

裴圣伟

Dated

2021.12.28

Witness

刘延风

Witness

范为

Dong CHEN

陈东

Dated

2021.12.28

Witness

刘延风

Witness

范为



Attorney Docket No. 15157-000788-US-NP

ASSIGNMENT

Xingang Li

李 强 周

Dated

2021.12.28

Witness

11/12/12

Witness

苑为

Zeyu BAO

包氏

Dated

2021. 12. 28

Witness

郝运风

Witness

施为