

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3470444

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JOEL F. CAMPBELL	07/30/2015
BING LIN	07/27/2015
AMIN R. NEHRIR	08/03/2015
RECEIVING PARTY DATA	
Name:	United States of America as represented by the Administrator of the National Aeronautics and Space Administration
Street Address:	300 E. Street SW
City:	Washington
State/Country:	DISTRICT OF COLUMBIA
Postal Code:	20546
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14817843
CORRESPONDENCE DATA	
Fax Number:	(757)864-9190
<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:	757-864-3226
Email:	elaine.c.mcmahon@nasa.gov
Correspondent Name:	NASA LANGLEY RESEARCH CENTER
Address Line 1:	OFFICE OF CHIEF COUNSEL
Address Line 2:	MAIL STOP 30
Address Line 4:	HAMPTON, VIRGINIA 23681-2199
ATTORNEY DOCKET NUMBER:	LAR 18539-1
NAME OF SUBMITTER:	ELAINE C. MCMAHON
SIGNATURE:	/elaine mcmahon/
DATE SIGNED:	08/05/2015
Total Attachments: 1 source=20P2662#page1.tif	



Assignment to the Government (by Government Employee)

Title of Invention: BINARY PHASE SHIFT KEYING (BPSK) ON ORTHOGONAL CARRIERS FOR MULTI-CHANNEL IM-CW CO2 ABSORPTION OR LIDAR/RADAR/SONAR MAPPING APPLICATIONS

Inventor(s): JOEL F. CAMPBELL, BING LIN, AMIN R. NEHRIR

NASA Case No.: LAR 18539-1 Application No.*: 14/817,843 Filing Date*: 8/4/2015

WHEREAS, the parties to this Assignment and Agreement are the undersigned inventor(s) and the United States Government (hereafter Government), as represented by the Administrator of the National Aeronautics and Space Administration;

WHEREAS, the making of this Assignment and Agreement is in accordance with 37 CFR Part 501; and

WHEREAS, the undersigned inventor(s) has (have) executed, on the date(s) indicated below, an application for United States Patent on the above-entitled invention.

NOW THEREFORE, in consideration of employment by the Government, the undersigned hereby:

1. Assign to the Government my (our) full and exclusive right in and to said invention within the United States of America, its territories and possessions, and my (our) entire right, title and interest in and to said application, and any corresponding continuation or divisional application(s) and any patent(s) that may issue therefrom.

2. Agree to grant to the Government my (our) full and exclusive foreign rights in and to said invention, in accordance with 37 CFR 501.9(d), including rights of priority under the International Convention of Paris (1883), as amended. If the Government chooses not to file an application in any foreign country, I (we) may request rights in that country, in accordance with 37 CFR 501.9(d), and such rights will be subject to the reservation to the Government of a nonexclusive, irrevocable, royalty-free license in the invention with power to grant licenses for all governmental purposes. The terms of such reservation will appear, where practicable, in any foreign patent which may issue on such invention.

3. Agree, at the expense of the Government, (a) to execute any document for, (b) to deliver any requested information to, and (c) to cooperate in any manner with the Government in order to allow the Government to protect any interest transferred by this Assignment and Agreement.

*4. Authorize and request the attorneys of record in the application to insert the application number and filing date above when required.

[Signature] 7/30/2015 7/30/2015
(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)

JOEL F. CAMPBELL 90 Bunting Lane, Poquoson, VA 23662
(Inventor's Typed Name) (Mailing Address - Including Country)

[Signature] 7/27/2015 7/27/2015
(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)

BING LIN 209 Richter Lane, Yorktown VA 23693
(Inventor's Typed Name) (Mailing Address - Including Country)

[Signature] 08-03-2015 08-03-2015
(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)

AMIN R. NEHRIR 218 Judith Circle, Yorktown, VA 23693
(Inventor's Typed Name) (Mailing Address - Including Country)

23351