

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		
CONVEYING PARTY DATA			
Name			Execution Date
DONALD ODELL FRAZIER			03/09/2012
RECEIVING PARTY DATA			
Name:	UNITED STATES GOVERNMENT, AS REPRESENTED BY THE ADMINISTRATOR OF THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION		
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City:	MARSHALL SPACE FLIGHT CENTER		
State/Country:	ALABAMA		
Postal Code:	35812		
PROPERTY NUMBERS Total: 2			
Property Type	Number		
Application Number:	12560334		
Application Number:	13763642		
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ATTORNEY DOCKET NUMBER:	1120.013		
NAME OF SUBMITTER:	NANCY R. GAMBURD		
SIGNATURE:	/Nancy R. Gamburd/		
DATE SIGNED:	05/09/2014		
Total Attachments: 1			
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National
Aeronautics and
Space
Administration

Patent Application

Assignment to the Government (by Government Employee)

Title of Invention: Light Emitting, Photovoltaic, or Other Electronic Apparatus and System

Inventor(s): Donald Odell Frazier, William Johnstone Ray, Mark David Lowenthal, Neil O. Shotton,
Richard A. Blanchard, Mark Allen Lewandowski and Kirk A. Fuller

NASA Case No.: MFS-32803-1 Application No.*: 12/560,334 Filing Date*: 09/15/2009

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.

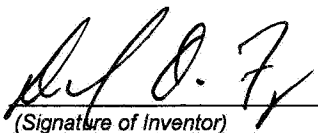
NOW THEREFORE, in consideration of employment by the Government, the undersigned hereby:

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 of Inventor)

3/9/12
(Date Assignment Executed)

(Date Application Executed)

Donald Odell Frazier
(Inventor's Typed Name)

10204 Melanie Drive SE, Huntsville, AL 35803 USA
(Mailing Address - Including Country)

(Signature of Inventor)

(Date Assignment Executed)

(Date Application Executed)

(Inventor's Typed Name)

(Mailing Address - Including Country)

(Signature of Inventor)

(Date Assignment Executed)

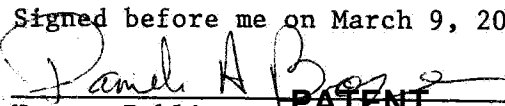
(Date Application Executed)

(Inventor's Typed Name)

(Mailing Address - Including Country)

NASA FORM 430 DEC 2000 PREVIOUS EDITIONS ARE OBSOLETE. Signed before me on March 9, 2012

State of Alabama County of Madison
My Commission Expires January 09, 2013


Notary Public

PATENT

RECORDED: 05/09/2014

REEL: 032859 FRAME: 0923