PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
Adrian A. Dorrington	06/12/2008	

RECEIVING PARTY DATA

IINiame.	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:	20546-0001		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12129967

CORRESPONDENCE DATA

Fax Number: (757)864-9190

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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ATTORNEY DOCKET NUMBER: LAR 16538-1

NAME OF SUBMITTER: Linda B. Blackburn

Total Attachments: 1

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REEL: 021300 FRAME: 0024

PATENT 500604728



NASA FORM 1692 JAN 01

RECORDED: 07/28/2008

Assignment to the Government (by Independent Inventor)

NASA Case No. LAR-16538-1 Application No.". / 2 / 2 9, 9 2 7 Filing Date" 5 / 3 0 / 2 0 WHEREAS, the parties to this Assignment are: [1] the undersigned Inventor(s) and (2) and the United States Government, as represented by the Naministrator of the National Aeronautics and Space Administration, Washington, D.C. 20546 (hereafter, the Government, as represented by the Naministrator of the National Aeronautics and Space Administration, Washington, D.C. 20546 (hereafter, the Government, in the Inventor) and have presented and the patient application for a United States Patient on the invention or is (are) desirates of heaving state a potent application field and the patient application or is (are) desirates of heaving state a potent application and the patient application for the bill Market. NOW THEREAS, the Government is desirous of acquiring the entire right, title and interest in the Invention and the patient application for the bill Market. NOW THEREFORE, in consideration of the payment of royalties, pursuent to NASA Policy Directive, NPD 2092 1, "Royalties and Other Payments Received by NASA from the Licensing of Patients and Patient Applications" (incorporated hersen by reference), that may result from licenshing the invention: the United States of Americe, its territories and possessors, and my provided the patient application and any corresponding continuation or divisional application(s) and ring states (the farming state) thereform 2. Grant to the Government the option to acquire, upon request, all my (our) foreign rights in and to the Invention. 3. Agraes, at the expense of the Government, to: (a) occurs ary document, (b) deliver any requested information, and (c) cooperate any manner with the Government in order to allow the Government to protect any interest transferred by this Assignment. 4. Warrants that [wish have the authority to execute this Assignment 4. Warrants that [wish have the authority to execute this Assignment 4. Warrants (my larget of Inventor) (Date Application Executed) (D	Title of Invention:	Micro-LiDAR Velocity, Temperature, Density, Concentration Sensor							
WHEREAS, the parties to this Assignment are: (1) the undersigned inventor(s) and (2) and the United States Government, as represented by the Administrator of the National Aeronautics and Space Administration, Washington, D.C. 20546 (hereafter, the Government). WHEREAS, the undersigned inventor(s) is (are) desirous of sharing in any royalties that may be derived from liconsing the above identified invention for is (are) desirous of having size a patient application floor, and have a particular patient and patient application for a United States Patient on the Invention or is (are) desirous of having size in a patient application floor, and WHEREAS, the Government is desirous of acquiring the entire right, title and interest in the Invention and the patient application fled, or to be filled, thereon. NOW THEREFORE, in consideration of the payment of royalties, pursuant to NASA Policy Circetive, NPD 2092.1, "Royalties and Chier Payments Received by NASA from the Licensing of Patients and Patient Applications" (incorporated herein by reference), that may result from Lecrating the Invention, the undersigned hereby. 1. Assigns to the Government my (our) full right in and to the Invention within the United States of America, its territories and possessions, and my (our) entire right, title and interest in and to self-quatent application; and any corresponding continuation or covisional application(s) and any patient gight, the and interest in and to self-quatent application, and any corresponding continuation or covisional application(s) and any patient, (b) that may issue therefrom 2. Grant to the Government the option to acquire, upon request, all my (our) foreign rights in and to the Invention. 3. Agrees, at the expense of the Government, to: (a) execute any document, (b) deliver any requested information, and (c) cooperate in any manner with the Government in order to allow the Government to protect any interest transferred by this Assignment. 4. Warrents that I (we) have the authority to execute this Assign	Inventor(s):	Paul M. Danehy, Adrian A. Dorrington							
represented by the Administrator of the National Aeronautics and Space Administration, Washington, D.C. 20546 (horsafter, the Government). WHEREAS, the undersigned inventor(s) is (are) desirous of sharing in any royalties that may be derived from licensing the above identified avention (hereinafter, the invention) and has (have) executed, on the date indicated below, an application for a United States Petant on the Invention or is (are) desirous of having such a patent application filed, and WHEREAS, the Government is desirous of acquiring the entire right, title and interest in the Invention and the patent application filed, or to be filed, thereon. NOW THEREFORE, in consideration of the payment of royalties, pursuent to NASA Policy Directive, NPD 2092.1, "Royalties and Other Payments Received by NASA from the Licensing of Patents and Patent Applications" (incorporated herein by reference), that may result from licensing the invention; the undersigned hereby. 1. Assigns to the Government my (our) full right in and to the invention within the United States of Americe, its territories and possessions, and my four) entire right, title and interest in and to said patent application, and any corresponding continuation or divisional application(s) and any patent(s) that may issue therefrom 2. Grant to the Government the option to acquire, upon request, all my (our) foreign rights in and to the Invention. 3. Agrees, at the expense of the Government, to: (a) execute any document, (b) deliver any requested information, and (c) cooperate in any manner with the Government in order to allow the Government to protect any interest transferred by this Assignment. 4. Warrants that I (we) have the authority to execute this Assignment. 4. Authorizes and requests the attermeys of record in the application to insert the patent application number and filing date above when required. 4. Marian A. Dorrington (Inventor's Typed Name) (Inventor's Typed Name) (Inventor's Typed Name) (Inventor's Typed Name)	NASA Case No.:	LAR-16538-1	Application No.*;	12/12	9,967	Filing Date*:	5/30/20		
Identified invention (nereinater, the Invention) and has (have) executed, on the date indicated below, an application for a United States Peterton on the Invention or is (are) desirous of having such a patent application filled, and WHEREAS, the Government is desirous of acquiring the entire right, title and interest in the Invention and the patent application filled, or to be filled, thereon. NOW THEREFORE, in consideration of the payment of royalties, pursuant to NASA Policy Directive, NPD 2092 1, "Royalties and Other Payments Received by NASA from the Licensing of Patents and Patent Applications" (incorporated herein by reference), that may result from licensing the Invention, the undersigned hereby. 1. Assigns to the Government my (our) full right in and to the Invention within the United States of America, its territories and possessions, and my (our) entire right, title and interest in and to said patent application, and any corresponding continuation or divisional applications) and any patent(s) that may issue therefrom 2. Grant to the Government the option to acquire, upon request, all my (our) foreign rights in and to the Invention. 3. Agrees, at the expense of the Government, to: (a) execute any document, (b) deliver any requested information, and (c) cooperate in any manner with the Government in order to allow the Government to protect any interest transferred by this Assignment. 4. Warrants that I (we) have the authority to execute this Assignment. 4. Care Assignment Executed) Cate Assignment Executed) Cate Application Executed) Cate Application Executed) (Inventor's Typed Name) (Mailing Address - Including Country) (Cate Assignment Executed) (Cate Assignment Executed) (Cate Application Executed)	represented by the A	ies to this Assignment are; dministrator of the Nationa	(1) the undersigned al Aeronautics and S	d inventor(s) and Space Administra	l (2) and the lation, Washin	Jnited States Go gton, D.C. 20546	vernment, as 3 (hereafter, the		
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Consert Payments Received by NASA from the Licensing of Patents and Patent Applications" (incorporated herein by reference), that may result from licensing the Invention, the undersigned hereby: 1. Assigns to the Government my (our) full right in and to the Invention within the United States of Americe, its territories and possessions, and my (our) entire right, title and interest in and to said patent application, and any corresponding continuation or divisional application(s) and any patent(s) that may issue therefrom 2. Grant to the Government the option to acquire, upon request, all my (our) foreign rights in and to the Invention. 3. Agrees, at the expense of the Government, (b) (a) execute any document, (b) deliver any requested information, and (c) cooperate in any manner with the Government in order to allow the Government to protect any interest transferred by this Assignment. 4. Warrants that I (we) have the authority to execute this Assignment. *5. Authorizes and requests the attermeys of record in the application to insert the patent application number and filling date above when required. **Date Assignment Executed** **Colete Assignment Executed** **Univ. of Waikato, Private Bag 3105, Hamilton 3240, New Zealand (Mailing Address - Including Country) **(Date Application Executed)* **(Date Application Executed)* **(Date Application Executed)* **(Date Application Executed)* **(Colete Applic	WHEREAS, the Gov- or to be filed, thereor	emment is desirous of acq i.	uiring the entire righ	it, title and intere	st in the Inve	ntion and the pa	tent application filed,		
possessions, and my (our) entire right, title and interest in and to said patent application, and any corresponding continuation or divisional application(s) and any patent(s) that may issue therefrom. 2. Grant to the Government the option to acquire, upon request, all my (our) foreign rights in and to the Invention. 3. Agrees, at the expense of the Government, to: (a) execute any document, (b) deliver any requested information, and (c) cooperate in any manner with the Government in order to allow the Government to protect any interest transferred by this Assignment. 4. Warrants that I (we) have the authority to execute this Assignment. 5. Authorizes and requests the atterneys of record in the application to insert the patent application number and filing date above when required. 12. Surc. 2 cots (Date Assignment Executed) (Date Application Executed) Adrian A. Dorrington (Inventor's Typed Name) (Signature of Inventor) (Date Assignment Executed) (Date Application Executed) (Inventor's Typed Name) (Mailing Address - Including Country) (Signature of Inventor) (Date Application Executed) (Date Application Executed) (Date Application Executed)	 Utner Payments Rec 	eived by NASA from the Li	icensing of Patents :	ursuant to NASA and Patent Appli	A Policy Directications" (ince	tive, NPD 2092. prporated herein	f, "Royalties and by reference), that		
3. Agrees, at the expense of the Government, to: (a) execute any document, (b) deliver any requested information, and (c) cooperate in any manner with the Government in order to allow the Government to protect any interest transferred by this Assignment. 4. Warrants that I (we) have the authority to execute this Assignment. 4. Warrants that I (we) have the authority to execute this Assignment. 4. Warrants that I (we) have the authority to execute this Assignment. 4. Warrants that I (we) have the authority to execute this Assignment. 4. Warrants that I (we) have the authority to execute this Assignment. 4. Warrants that I (we) have the authority to execute this Assignment. 5. Authorizes and requests the attermeys of record in the application to insert the patent application number and filling date above when required. 6. Date Assignment Executed) 6. Date Application Executed)	 possessions, and my 	(our) entire right, title and	interest in and to sa	ild natent applica	United State ation, and any	es of Americe, its / corresponding (territories and continuation or		
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Signature of Inventor Signature of Invent									
Adrian A. Dorrington (Inventor's Typed Name) (Signature of Inventor) (Date Assignment Executed) (Mailing Address - Including Country) (Inventor's Typed Name) (Mailing Address - Including Country) (Signature of Inventor) (Mailing Address - Including Country) (Signature of Inventor) (Date Application Executed) (Date Application Executed)	*5. Authorizes and when required.	requests the attomeys of r	ecord in the applica	tion to insert the	patent applic	cation number an	d filing date above		
Adrian A. Dorrington (Inventor's Typed Name) (Signature of Inventor) (Date Assignment Executed) (Mailing Address - Including Country) (Inventor's Typed Name) (Mailing Address - Including Country) (Signature of Inventor) (Mailing Address - Including Country) (Signature of Inventor) (Date Application Executed) (Date Application Executed)	2	7.	F	1 %	- 66				
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(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)	(Signature of Inventor,)	<u>(C</u>	Dafe Assignmen	Executed)	(Dale Applic	calion Executed)		
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	(Inventor's Typed Nam	ie)	(Meiling Ada	iress - Including	Country)	***************************************			

PATENT REEL: 021300 FRAME: 0025