

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4534896

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GORDEN W VIDEEN	01/18/2017
MICHAEL I MISHCHENKO	07/26/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE ARMY
<b>Street Address:</b>	101 ARMY PENTAGON
<b>City:</b>	WASHINGTON
<b>State/Country:</b>	D.C.
<b>Postal Code:</b>	20310
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15006752
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(301)394-3972
<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>	
<b>Phone:</b>	301-394-1769
<b>Email:</b>	nadine.l.loman.civ@mail.mil
<b>Correspondent Name:</b>	ALAN I. KALB
<b>Address Line 1:</b>	2800 POWDER MILL ROAD
<b>Address Line 4:</b>	ADELPHI, MARYLAND 20783
<b>ATTORNEY DOCKET NUMBER:</b>	ARL 14-22
<b>NAME OF SUBMITTER:</b>	NADINE L LOMAN
<b>SIGNATURE:</b>	/Nadine L Loman/
<b>DATE SIGNED:</b>	08/03/2017
<b>Total Attachments: 2</b>	
source=ARL 14-22_ExecutedAssignment_Videen_Mischenko#page1.tif	
source=ARL 14-22_ExecutedAssignment_Videen_Mischenko#page2.tif	

## ASSIGNMENT AND AGREEMENT

**Title of Invention:** DETECTING CLOUDS USING POLARIZED SUNLIGHT

Inventor(s): Wenbo Sun, Gorden W. Videen, Michael I. Mishchenko

Date Declaration Executed: 1/25/16, 1/26/16

\*Application Serial No.: 15/006,752

\*Filing Date: 2/22/2016

Docket No.: ARL 14-22

*(\*I (We) herby authorize the application serial number and filing date of said application be added when known.)*

I, the undersigned inventor, in consideration of the rights of the Government of the United States acquired by virtue of circumstances under which the above-identified invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Secretary of the Army, my entire right, title, and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation or division of said application and any reissue or extension of said Letters Patent.

2. Agree to assign to the Government upon its request, title and interest in the invention in those foreign countries in which the Government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within the said eight months, all right, title and interest in the invention in such foreign country shall remain in me, subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent in which may issue on the invention in such foreign country, including the power to issue sublicenses for use in behalf of the Government and/or furtherance of the foreign policies of the Government.

3. Agree to provide any further information within my knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and settlement of interferences and recording of title to patent applications and patents issuing thereon.

Signature of Inventor: \_\_\_\_\_  
(First name) (Middle Initial) (Last Name)

Duty Address: Army Research Laboratory, Adelphi, Montgomery Maryland  
(Locality) (County) (State)

Date: Jan 18, 2017 Typed name of Inventor: Gorden W. Videen

\*\*\*\*\* (notarizing preferred) \*\*\*\*\*

State of: Maryland ) SS.

County of: Montgomery ) [place where acknowledgement is taken]

On the above date Gorden W. Videen known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed. In witness whereof I hereunto set my hand and official seal.

(SEAL)

Nadine L. Loman  
(Printed or typewritten name of notary public)  
(Signature of notary public)

My Commission expires on February 27, 2019

Signature of Inventor: Michael I. Mishchenko  
(First name) (Middle Initial) (Last Name)

Duty Address: NASA GSFC New York NY  
(Locality) (County) (State)

Date: 07/26/2017 Typed name of Inventor: Michael I. Mishchenko

State of: NY ) SS.  
County of: New York ) [place where acknowledgement is taken]  
\*\*\*\*\* (notarizing preferred) \*\*\*\*\*

On the above date Michael I. Mishchenko known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed. In witness whereof I hereunto set my hand and official seal.

JIMMY MA  
Notary Public, State of New York  
No. 01MA6116017  
Qualified in New York County  
Commission Expires Sept. 20, 2020  
(SEAL)

Jimmy Ma  
(Printed or typewritten name of notary public)  
Jimmy Ma  
(Signature of notary public)  
My Commission expires on September 20, 2020