Form PTO-1595 (Rev. 07/05) OMB No. 0651-0027 (exp. 6/30/2008)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Of			
RECORDATION FORM COVER SHEET				
PATENTS ONLY ARL 03-87				
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.				
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)			
William C. Ruff; Barry L. Stann; Paul H. Shen, Brlan C. Redman, and Keith M. Aliberti	Name: United States of America as represented by the			
1	Internal Address: Secretary of the Army			
Additional name(s) of conveying party(ies) attached? Yes V				
3. Nature of conveyance/Execution Date(s):	Street Address:			
Execution Date(s) September 19, 2005				
Assignment Merger				
Security Agreement Change of Name	City: Washington			
Joint Research Agreement	State: DC			
Government Interest Assignment	Country USA			
Executive Order 9424, Confirmatory License	Country: USA Zip: 20310			
Other 4. Application or patent number(s):	Additional name(s) & address(es) attached? Yes 🗸 No			
A. Patent Application No.(s) 11/256,278 Additional numbers atte	B. Patent No.(s) ached? ☐ Yes ✓ No			
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1			
Name: U.S. Army Research Laboratory	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00			
Internal Address: AMSRD-ARL-O-CC-IP	Authorized to be charged by credit card			
	Authorized to be charged by credit card Authorized to be charged to deposit account			
Street Address: 2800 Powder Mill Road	Enclosed			
	None required (government interest not affecting title)			
City: Adelphi	8. Payment Information			
State: Maryland Zip:20783-1197	a. Credit Card Last 4 Numbers			
Phone Number: <u>301-394-3791</u>	Expiration Date			
Fax Number: 301-394-3972	b. Deposit Account Number 19-2201			
Email Address: Guy.m.miller@arl.army.mil	Authorized User Name Guy M. Miller			
. Signature: 4, 1, 1 00	F 20-00			
Signature				
Guy M. Miller, Reg. No. 32,333	Total number of pages including cover			
Name of Person Signing Documents to be recorded (including cover sheet) a	sheet, attachments, and documents:			

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT OF INVENTIONFor use of this form, see AR 27-60; the proponent agency is OTJAG

Title of Invention: Syst	ems and Methods for Perfor	ming Active Ladar and P	assive High Resolution Imagery
Inventor(s) William	C. Ruff, Barry L. Stann, Pau	ıl H. Shen, Brian C. Red	man and Keith M. Aliberti
*Application Serial No.:	11/256,278		ARL 03-87
*Date Oath Executed: _	<u>September 19, 20</u>	05_ *Filing Date: Octo	ober 20, 2005
	(*Data not known at execut	tion may be added for bette	r identification.)
l (We), the undersign virture of the circumstar	ned inventor(s), in consideration nces under which the above-en	of the rights of the Govern titled invention was made, I	nment of the United States acquired by hereby:
and application for pater	the United States, its Territorie	s, Possessions, and Puerto thereon, and any continuat	Secretary of the Army, the entire right, title Rico, in and to the above-entitled invention tion, continuation-in-part or division of said
application to be filed; p foreign country or fails t in such foreign country s in any patent which may	within eight months of the filing rovided that if the Government o make such a determination, v shall remain in me (us), subject	g of the United States appli determines not to cause an vithin the said eight months to a nonexclusive, irrevocal foreign country, including t	the invention in those foreign countries in cation for patent, determines to cause an application to be filed in any particular all right, title and interest in the invention ble, royalty-free license to the Government the power to issue sublicenses for use in nent.
medessery to the brosect	ide any further information with ution of patent applications on t nt applications and patents issu	the invention, the prosecutiv	to execute any further documents on and settlement of interferences and
Signature of Inventor:	Gerila	C	RH
,	(First name)	(Middle Initial)	(Last name)
Duty Address: US ARL	., AMSRD-ARL-SE-EE, Ad (Locality)	elphi Montgomery (County)	Maryland 20783-1197 (State)
Date: 19 Sep	2005	Typed Name of Inventor:	William C. Ruff
	* * * * *	* * * * * * * * * * * *	
State of: Maryland County of: Montgome) ss		
On the above date and who executed the for act and deed.	William C. Ruff egoing instrument duly appeare	known ed before me and acknowled	to me to be the individual described in dged to me that the same as his own free
(SEAL)		Oroline (Signa	L. Dourget
		My Commission expir	es on December 1, 2007
FORM 2874-R, APR	93 REPLACES DA FORM 28	174-R, MAR 74, WHICH IS OBSOLET	E. Page 1 of 3 Pages

Pages

USAPPC V2.00

SUPPLEMENTAL SIGNATURE For use of this form, see AR 27-60; the proponent	
Use this form with DA Forms 2873-R and 2874-R when addition	
1. ASSIGNOR(s) OR LICENSOR(s) NAME(s)	2. APPLICATION SERIAL NUMBER 11/256, 278 ARL 03-87
William C. Ruff, Barry L. Stann, Paul H. Shen, Brian C. Redman and Keith M. Aliberti	3. FILING DATE October 20, 2005
4. TITLE OF INVENTION	OCCODE: 20, 2005
Systems and Methods for Performing Active Ladar and Passive High Resolu	țion Imagery
12.0	
SIGNATURE OF INVENTOR: (First name) (Middle initia	(Last name)
DUTY ADDRESS; US ARL, AMSRD-ARL-SE-EE, Adelphi Montgor	nery Maryland 20783-1197
BOTT ADDITION.	20105 1121
DATE SIGNED: 9/19/2005 INVENTOR'S TYPED NAMI	E: Barry L. Stann
Moreland	
STATE OF Maryland	
COUNTY OF Montgomery SS.	
COUNTY OF Workgomery	
On the above date Barry L. Stann known	to me to be the individual described in and who
executed the foregoing instrument duly appeared before me and acknowledged free act and deed.	to me that he executed the same as his own
	\sim
	\mathcal{S}
(SEAL) Caralya	1. Dourget
	(Signature of notary public)
My Commission expir	es on December 1, 2007
SIGNATURE OF INVENTOR:	
(Flist name) (Middle initial)	(Last name)
DUTY ADDRESS: US ARL, AMSRD-ARL-SE-EE, Adelphi Montgon	nery Maryland 20783-1197
DATE SIGNED: 9/9/2007 INVENTOR'S TYPED NAME	Paul H. Shen

STATE OF Maryland	
COUNTY OF Montgomery) SS.	
On the above date Paul H. Shen known to	me to be the individual described in and who
executed the foregoing instrument duly appeared before me and acknowledged to free act and deed.	o me that he executed the same as his own
_	\sim
	\mathcal{S}
(SEAL) Carolya	1. Dourset
	(Signature of notary public)
	December 1, 2007
My Commission expire	
DA FORM 4230-R. APR 93 REPLACES DA FORM 4230-R, MAR 74,WHICH IS DE	SOLETE Page 2 of 3 Pages
THE COURT TOWN TOWN TOWN TOWN TOWN TOWN TOWN TOW	AUGULTE 1 WO ZO OT J Tages

office of chief counsel

SUPPLEMENTAL SIGNATURE For use of this form, see AR 27-60; the proponent a				
Use this form with DA Forms 2873-R and 2874-R when additions	al signature blocks are needed.			
1. ASSIGNOR(s) OR LICENSOR(s) NAME(s)	2. APPLICATION SERIAL NUMBER			
William C. Ruff, Barry L. Stann, Paul H. Shen, Brian C. Redman and Keith M. Aliberti	11/256,278 ARL 03-87 3. FILING DATE			
4. TITLE OF INVENTION	October 20, 2005			
Systems and Methods for Performing Active Ladar and Passive High Resolut	ion Imagery			
SIGNATURE OF INVENTOR: Erian C. Redn	an			
(First name) (Middle initial)	(Last name)			
DUTY ADDRESS: US ARL, AMSRD-ARL-SE-EE, Adelphi Montgom	ery Maryland 20783-1197			
DATE SIGNED: 9/19/2005 INVENTOR'S TYPED NAME	Brian C. Redman			
* * * * * * * * * * * * *				
Maryland				
STATE OF				
COUNTY OF Montgomery) SS.				
On the above date Brian C. Redman known to executed the foregoing instrument duly appeared before me and acknowledged t	o me to be the individual described in and who			
free act and deed.	C C			
(SEAL) (aroly)	T. Downet			
	(Signature of notary public)			
My Commission expire	s on December 1, 2007			
SIGNATURE OF INVENTOR: Keth M.	alsont'			
(First name) (Middle initial)	(Last name)			
DUTY ADDRESS: US ARL, AMSRD-ARL-SE-EE, Adelphi Montgomery Maryland 20783-1197				
DATE SIGNED: $\frac{9/(9/2.005)}{1000000000000000000000000000000000000$				
* * * * * * * * * * *				
STATE OF Maryland				
COUNTY OF Montgomery				
On the above date Keith M. Aliberti known to				
executed the foregoing instrument duly appeared before me and acknowledged to	me to be the individual described in and who me that he executed the same as his own			
free act and deed.				
	24			
(SEAL)	1 Jawret			
N. Weer-Man	(Signature of notary public)			
My Commission expires	December 1, 2007			
my commission expires				
DA FORM 4220 D. ARD 03				
DA FORM 4230-R, APR 93 REPLACES DA FORM 4230-R, MAR 74, WHICH IS OBS	OLETE Page 3 of 3 Pages USAPPC V2.00			

PATENT

REEL: 021031 FRAME: 0532