	United States Patent and Trademark O
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1. Name of conveying party(ies)	dress of receiving party(ies)
Gilbert H. Lovell III	Name: Advanced Technology & Research Corp.
Eric Chi-Kai Hui Merrill Keith Umbreit	Internal Address:
Additional name(s) of conveying party(ies) attached?	Yes X No
3. Nature of conveyance/Execution Date(s)	
Execution Date(s)August 13, 2009	
Assignment Merger	
Security Agreement Change of	f Name City: Columbia
Joint Research Agreement	State:MD
Government Interest Assignment	
Executive Order 9424, Confirmatory Licen	nse Country: <u>U.S.A.</u> Zip <u>21046</u>
OtherCorrection-Assignee name. 022896/0115	Additional name(s) & address(es) attached? Yes 🔀
4. Application or patent number(s):	This document is being filed together with a new application
A. Patent Application No.(s)	B. Patent No.(s)
12455323	
Additional	
	numbers attached? Yes XNo
5. Name and address to whom correspond concerning document should be mailed:	
5. Name and address to whom correspond	lence 6. Total number of applications and patents involved:
5. Name and address to whom correspond concerning document should be mailed: Name: <u>Advanced Technology & Research Corp.</u>	lence 6. Total number of applications and patents
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5. Name and address to whom correspond concerning document should be mailed: Name: Advanced Technology & Research Corp. Internal Address: Attn: David Lupi	Image: Second system 6. Total number of applications and patents involved: 6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged to deposit account
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5. Name and address to whom correspond concerning document should be mailed: Name: Advanced Technology & Research Corp. Internal Address: Attn: David Lupi	Image: Second state interest General Second state interest 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged to deposit account X Enclosed None required (government interest not affecting to the second state) 1
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5. Name and address to whom correspond concerning document should be mailed: Name: Advanced Technology & Research Corp. Internal Address: Attn: David Lupi Street Address: 6650 Eli Whitney Drive, Suite 400	Image: Second state interest General Second state interest 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged to deposit account X Enclosed None required (government interest not affecting to the second state) 1
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5. Name and address to whom correspond concerning document should be mailed: Name:Advanced Technology & Research Corp. Internal Address:Attn: David Lupi Street Address: 6650 Eli Whitney Drive, Suite 400 City: Columbia State: MD Zip: 21046	Ience 6. Total number of applications and patents involved:_1
5. Name and address to whom correspond concerning document should be mailed: Name:Advanced Technology & Research Corp. Internal Address:Attn: David Lupi Street Address: 6650 Eli Whitney Drive, Suite 400 City: Columbia State: MD Zip: 21046 Phone Number: 443-766-7862	Ience 6. Total number of applications and patents involved:_1 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged to deposit account X Enclosed None required (government interest not affecting t 8. Payment Information
5. Name and address to whom correspond concerning document should be mailed: Name:Advanced Technology & Research Corp. Internal Address:Attn: David Lupi Street Address: 6650 Eli Whitney Drive, Suite 400 City: Columbia State: MD Zip: 21046 Phone Number: 443-766-7862 Fax Number: 443-766-7964	Ience 6. Total number of applications and patents involved:
5. Name and address to whom correspond concerning document should be mailed: Name:Advanced Technology & Research Corp. Internal Address:Attn: David Lupi Street Address: 6650 Eli Whitney Drive, Suite 400 City: Columbia State: MD Zip: 21046 Phone Number: 443-766-7862 Fax Number: 443-766-7964 Email Address: dlupi@atrcorp.com 9. Signature:	Ience 6. Total number of applications and patents involved:
5. Name and address to whom correspond concerning document should be mailed: Name:Advanced Technology & Research Corp. Internal Address:Attn: David Lupi Street Address: 6650 Eli Whitney Drive, Suite 400 City: Columbia State: MD Zip: 21046 Phone Number: 443-766-7862 Fax Number: 443-766-7964 Email Address: dlupi@atrcorp.com 9. Signature:	Image: Second state in the image: Second sta

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nited States Patent and Trademark Office

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Gilbert H. Lovell III Eric Chi-Kai Hui Merrill Keith Umbreit	
Eric Chi-Kai Hui Merrill Keith Umbreit	Name: David Luci ATD
Merrill Keith Umbreit	Name: David Lupi- ATR
	Internal Address:
Additional name(s) of conveying party(ies) attached? Yes X 3. Nature of conveyance/Execution Date(s):	No Street Address: <u>6650 Eli Whitney Drive, Suite 400</u>
Execution Date(s) June 25, 2009	
Assignment Merger	—
Security Agreement Change of Name	City: Columbia
Joint Research Agreement	State: MD
Government Interest Assignment	
Executive Order 9424, Confirmatory License	Country: USA Zip: 21046
Other	Additional name(s) & address(es) attached? Yes
Additional numbers	
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number o f applications and patents involved: 1
Name: David Lupi	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Internal Address:	7. Total lee (37 Cl $(1, 2)$ (1) $(2, 3, 47)$ $(4, 00)$
	Authorized to be charged to deposit accour
Street Address: 6650 Eli Whitney Drive, Suite 400	X Enclosed
	None required (government interest not affecti
City: <u>Columbia</u>	8. Payment Information
State: MD Zip: 21046	
Phone Number: 443-766-7862	
Fax Number:	Deposit Account Number
Email Address:dlupi@atrcorp.com	Autyorized 259269 979901 80000052-124553
9. Signature:	B1 FC:8821
Signature	<u>G/ 23/0</u> Date
David E. Lupi Name of Person Signing	Total number of pages including cover sheet, attachments, and documents;

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> PATENT REEL: 023209 FRAME: 0590

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Sample Form (former PTO/SB/15) (08-0		
ASSIGNMENT OF APPLICATION		
Whereas, INVe, <u>Gilbert H. Lovell II. ATR</u> , hereafter		
referred to as applicant, have invented certain new and useful improvements in		
Stabilized UAV Recovery System		
for which an application for a United States Patent was filed on		
Application Number		
for which an application for a United States Patent was executed on, and whereas JAC KSPN Yawa ATR		
Whereas, Jackson Yang of ATR here referred to "assignee" whose mailing address is 6650 Eli Whitney Dr., Suite 400		
desirous of acquiring the entire right, title and interest in the same; $D = 21043$		
Now, therefore, in consideration of the sum ofdollars (\$), the receipt whereof is acknowledge, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assig and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entir rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I/W hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; an for the use and behoof of his legal representatives, to the full end of/the term for which said Patent may b granted, as fully and entirely as the same would have been held by me had this assignment and sale not bee made.		
Executed this d Technology & Research Corp_day of		
DOUGLAS CHIN NOTARY PUBLIC HOWARD COUNTY MARYLAND MY COMMISSION EXPIRES MARCH 23, 2011 MY COMMISSION EXPIRES MARCH 23, 2011		
State of <u>MARKLAND</u> 114-52-5532 GILDERT H. LOVE 11 115 County of HawARD SST Color Printed Name/Registration No., if applicable		
Before me personally appeared said GUBERE H. Lover III		
and acknowledged the foregoing instrument to be his free act and deed this		
day of		
Seal and the second s		
Note: Signatures of all the inventors or assignees of rocord of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. Submit multiple forms if		
Total offorms are submitted.		
his form offers a sample or suggested format for an assignment document. This sample form is not an OMB officially approved form.		
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PATENT REEL: 023209 FRAME: 0591

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ASSIGNMENT OF APPLICATION ereas, IWe, Eric Chirksi Hu.' of ATR ereas, IWe, Eric Chirksi Hu.' of ATR ereas to as applicant, have invented certain new and useful improvements in	, and here referred اس له تر ۲۵ کرانis
 erred to as applicant, have invented certain new and useful improvements in	, and here referred اس لایت مرک کاری انه
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Stabilited UAV Recovery System] for which an application for a United States Patent was filed on	, and here referred اس له تر ۲۵ کرانis
for which an application for a United States Patent was filed on Application Number	مnd
for which an application for a United States Patent was executed on	here referred
hereas, <u>Jackson Yang</u> of <u>ATR</u> "assignee" whose mailing address is <u>CGTD</u> <u>Elr</u> <u>Whitney</u> <u>Dr.</u> <u>Ste. 400</u> , <u>Co</u> sirous of acquiring the entire right, title and interest in the same; www. therefore, in consideration of the sum of <u>dollars</u> (\$ <u>dollars</u> (\$ <u>dollars</u>), <u>b</u> knowledge, and other good and valuable consideration, I/We, the applicant(s), <u>b</u> d transfer unto said assigned the full and exclusive right to the said invention in	here referred
"assignee" whose mailing address is <u>6650</u> <u>Els</u> <u>Whitney</u> <u>Dr.</u> <u>Ste. 400</u> , <u>Co</u> sirous of acquiring the entire right, title and interest in the same; ww. therefore, in consideration of the sum of <u>dollars</u> (<u>s</u> knowledge, and other good and valuable consideration, I/We, the applicant(s), b d transfer unto said assignee the full and exclusive right to the said invention in	lumbia, MD 21046 is
sirous of acquiring the entire right, title and interest in the same; w, therefore, in consideration of the sum ofdollars (\$ knowledge, and other good and valuable consideration, I/We, the applicant(s), b d transfer unto said assignee the full and exclusive right to the said invention in	
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hts, title and interest in and to any and all Patents which may be granted there breby authorize and request the Director of the U.S. Patent and Trademark Off itent to said assignee, of the entire right, title, and interest in and to the same, f r the use and behoof of his legal representatives, to the full end of the term anted, as fully and entirely as the same would have been held by me had this	the United States and the entire afore in the United States. I/We ice to issue said United States or his sole use and behoof; and for which said Patent may be assignment and sale not been
Advanced Technology & Hesserch Corp. day of May	, 20 <u>ය</u> ි
Advanced Technology & Research Corp. 6650 Eli Whitney Drive, Suite 400 Columbia, MD 21640	· · · · · · · · · · · · · · · · · · ·
DOUGLAS CHIN NOTARY PUBLIC	ld.
HOWARD COUNTY MARYLAND Signa	
ate of MARNIAND 215-62-5312 Eric C.	Hu,'
ounty of Howard St. St. Printed Name/Regis	tration No., if applicable
efore me personally appeared said <u>Erric</u> Christine same; Hui	
nd acknowledged the foregoing instrument to be his free act and deed this2	814
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a form offers a sample or suggested format for an assignment deaument. This sample form is not an OMB official	y approved form.

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	Sample Form (Ionner PTO/SR/15) (08-03)			
ASSIGNMENT OF APPLICATION	Docket Number (Optional)			
Whereas, INVe, Merrill Keith Umbseit	, hereafter			
referred to as applicant, have invented certain new and useful Improvements in				
Stabilized UAV Recovery System				
for which an application for a United States Patent was filed on				
for which an application for a United States Patent was executed on	, and			
Whereas, Jackson Yang of ATR				
to "assignee" whose mailing address is $\frac{6650}{Columbia}$ Eli Whitney Dr., Suite 18 desirous of acquiring the entire right, title and interest in the same;				
ATR ATR 1				
Now, therefore, in consideration of the sum of				
Executed this day of MQM	,20			
at				
SCALLENBEHGERS MESSENGER SERV. 520 LINCOLN WAY E. CHAMBERSBURG, PA 17201				
State of PERUSSULVANSIA MERRILL KE	TH UMBREIT			
	egistration No., if applicable			
Before me personally appeared said <u>MRMII KRITH UMMR</u>				
and acknowledged the foregoing instrument to be his free act and deed this a 500				
day of	Inci clore a unit in the			
Seal JOHN R. CLEVER, Notary Public				
Note: Signaline Sortal Bis Machinis & all interest of their representation on a signalure is required, See Derow.	ative(s) are required. Submit multiple forms if			
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RECORDED: 08/17/2009