

UNITED STATES DISTRICT COURT  
DISTRICT OF NEVADA

JED MARGOLIN,

Plaintiff

v.

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

Defendant.

Case No. 3:09-cv-00421-LRH-(VPC)

**Appendix Volume 5**

**For Motion For Summary Judgment**

Jed Margolin  
1981 Empire Rd.  
VC Highlands, NV 89521-7430  
Phone: 775-847-7845  
Email: [jm@jmargolin.com](mailto:jm@jmargolin.com)

Dated: June 9, 2010

**Appendix Volume 5 - Index**

I. Exhibit 11 - Part 4: Redacted emails produced by NASA ..... A3

[REDACTED]

**From:** Robert Adams-OTG [REDACTED]  
**Sent:** Monday, August 25, 2008 6:48 PM  
**To:** McNutt, Jan (HQ-MC000) [REDACTED]  
**Subject:** Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.  
**Attachments:** OTG\_NASA\_25AUG08.pdf; OTG\_NASA\_Refs.pdf; nasa\_usps.pdf

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

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Sent via U.S. Mail with tracking number

Jan S. McNutt,

Please see the attached letter; it is your response to your most recent letter.

Thank you,

Dr. Robert Adams – CEO  
Optima Technology Group

Simply Smarter, Encryption & Aerospace Solutions since 1990! The information contained in this e-mail and any attachments are legally privileged and confidential. If you are not an intended recipient, you are hereby notified that any dissemination, any and all distribution or copying of this e-mail is strictly prohibited without the prior consent of Optima Technology Group (sender). If you have received this e-mail in error, please notify the sender and permanently delete the e-mail and any attachments immediately. You should not retain, copy or use this e-mail or any attachment for any purpose, nor disclose all or any part of the contents to any other person. Thank you.

[Redacted]

**From:** Fein, Edward K. (JSC-AL)  
**Sent:** Monday, September 29, 2008 4:03 PM  
**To:** McNutt, Jan (HQ-MC000)  
**Subject:** RE: Margolin Patent Infringement Claim

Jan ... You will recall, I forwarded you a bunch of email exchanges, including some with Mike Abernathy of Ropid Imaging. I'm pasting the stuff below. You may want to communicate directly with Mike. I suspect he'll be able to answer all your questions, and save us all some time.

His email address is [Redacted]

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And website: <http://www.landform.com/>

Phone: [Redacted]

I'll be happy to participate on any telecon or whatever.


-Ed

---

**RE: Patent Infringement claim from Jed Margolin; NASA Case No. I-222**

**From:** Fein, Edward K. (JSC-AL) [Redacted]  
**To:** McNutt, Jan (HQ-MC000) [Redacted]  
**CC:** Borda, Gary G. (HQ-MC000) [Redacted], Rotella, Robert F. (HQ-MA000)  
**Date:** Aug 06 2008 - 2:29pm

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 Claims Analysis of Patent.doc - 2.1MB - [View in Outlook](#)

Jan ... I do vaguely recall this matter, but don't recall the outcome. I'm copying below tons of stuff I found on my computer using Google Desktop. I have not reviewed what I'm sending. There no doubt a good deal of redundancy, for which I apologize.

It looks like Langley may have taken the lead on this. Barry Gibbens at Langley appears to have worked it. Regrettably, Barry is deceased -- a very sad story for another time. But Linda Blackburn may be of some assistance.

Let me take this opportunity to welcome you to the NASA team. I look forward to meeting you in the not too distant future.

-Ed

RE: Read: Let us chat on about SCOUT, SC3D, the X-38 program and RIS; noted below are our patents that cover said technology that RIS and your groups are using.

**From:** Mike Abernathy <HYPERLINK [Redacted]>  
**To:** 'Delgado, Francisco J. (JSC-ER2)' <HYPERLINK [Redacted]>  
'Fein, Edward K. (JSC-AL)' <HYPERLINK [Redacted]>  
'Kennedy, Alan J. (HQ-MC000)' <HYPERLINK [Redacted]>  
<HYPERLINK [Redacted]>  
**CC:** 'Fredrickson, Steven L. (JSC-ER)' <HYPERLINK [Redacted]>  
**Date:** Sep 26 2006 - 12:13pm

b(6)

Thank you very much. It means very much to Carolyn and I right now.

Mike Abernathy

Rapid Imaging Software, Inc.

From: Delgado, Francisco J. (JSC-ER2) [mailto:HYPERLINK [REDACTED]]  
 Sent: Monday, September 25, 2006 9:42 PM  
 To: Mike Abernathy; Fein, Edward K. (JSC-A1); Kennedy, Alan J. (HQ-MC000); HYPERLINK [REDACTED]  
 Cc: Delgado, Francisco J. (JSC-ER2); Fredrickson, Steven E. (JSC-ER)  
 Subject: FW: Read: Let us chat on about SCOUT, SC3D, the X-38 program and RIS; noted below are our patents that cover said technology that RIS and your groups are using.

b(6)

See email from "Mr. Adams" below.

This is getting more ridiculous by the minute. I have resisted replying in any form as suggested by JSC council. However, this matter has been left open for quite some time and something needs to be done NOW. It has come to my attention that Mr. Adams and company have issued a letter that prohibits RIS from selling any of their software until this issue is resolved. We have had a very "intellectually" fruitful relationship with RIS for almost a decade and would like to continue this relationship for many years to come. Some of the technology concepts in question were co-developed by RIS and I during many "brainstorming sessions" on how to provide optimal situation awareness to various users.

The folks pressing forward with this claim do not have solid ground to stand on (IMHO). Based on the previous research performed, I do not see how their patent claims are valid and I would like to request that NASA's council take this matter seriously and get the patents invalidated (as it should have been done when this first showed up a couple of years ago). This is not only the right legal thing to do, but also the right moral thing to do. If we allow an individual to continue to harass small companies and stand-by with little/no action, then we are no better than the company doing the harassing. As a government organization, we need to keep the public faith and trust and again, "do the right thing." I realize that patience is important in legal matter, but believe that the time for sitting idle and hoping that this matter goes away is way past due and that something needs to be done ASAP. Putting companies that NASA relies on to help move technology forward out of business with a barrage of unwarranted litigation does not seem like it is in NASA's (or our taxpayers) best interest.

Please let me know what I need to do on my end to help move this along.

BTW: If we do not deal with issue immediately it will only get worse for NASA. I know of several Projects within JSC, JPL, and Langley that use independently developed technology (i.e. technology that does not use what RIS and I came up with) that I am sure Mr. Adams and company would claim infringes on their "Patents." We seem to be on his radar at the moment because we do what government organizations are encouraged to do ("Publish their work").

Thank You,

Frank Delgado

From: Robert Adams [mailto:HYPERLINK [REDACTED]]  
 Sent: Mon 9/25/2006 5:58 PM  
 To: Delgado, Francisco J. (JSC-ER2)  
 Subject: RE: Read: Let us chat on about SCOUT, SC3D, the X-38 program and RIS; noted below are our patents that

b(6)

cover said technology that RIS and your groups are using.

Sir,

Since you have clearly refused to cooperate, please provide us your department's heads information and said contact information including a contact in your IP litigation department. We are aware that you received your read receipt of our email sent to you regarding:

Let us chat on about SCOUT, SC3D, the X-38 program, and RIS; noted below are our patents that cover said technology that RIS and your groups are using.

United States Patent 5,566,073 Margolin October 15, 1996 Pilot aid using a synthetic environment

United States Patent 5,904,724 Margolin May 18, 1999, Method and apparatus for remotely piloting an aircraft

We simple have one goal in mind and that is have a chat regarding the technology and that RIS and NASA take a license of said IP technology.

Thank you

From: Delgado, Francisco J. (JSC-ER2) [mailto:HYPERLINK [REDACTED]]  
Sent: Tuesday, September 19, 2006 7:30 AM  
Subject: Read: Let us chat on about SCOUT, SC3D, the X-38 program and RIS; noted below are our patents that cover said technology that RIS and your groups are using.

b(6)

Your message

To: Delgado, Francisco J. (JSC-ER2)

Cc:

Subject: Let us chat on about SCOUT, SC3D, the X-38 program and RIS;

noted below are our patents that cover said technology that RIS and your groups are using.

Sent: Tue, 19 Sep 2006 08:52:25 -0500

was read on Tue, 19 Sep 2006 09:30:05 -0500

RE: Read: Let us chat on about SCOUT, SC3D, the X-38 program and RIS; noted below are our patents that cover said technology that RIS and your groups are using.

From: Fein, Edward K. (JSC-AL) <HYPERLINK [REDACTED]>  
To: Delgado, Francisco J. (JSC-ER2) <HYPERLINK [REDACTED]>  
[REDACTED], Kennedy, Alan J. (HQ-MC000) <HYPERLINK [REDACTED]>

Date: Sep 26 2006 - 10:58am

Frank ... I've talked with Alan, and he said he'd respond, and give you a call.

b(6)

-Ed

RE: Read: Let us chat on about SCOUT, SC3D, the X-38 program and RIS; noted below are our patents that cover said technology that RIS and your groups are using.

From: Mike Abernathy <HYPERLINK [redacted]>  
To: 'Delgado, Francisco J. (JSC-ER2)' <HYPERLINK [redacted]>  
>, 'Fein, Edward K. (JSC-AL)' <HYPERLINK [redacted]>  
, 'Kennedy, Alan J. (HQ-MC000)' <HYPERLINK [redacted]>  
, <HYPERLINK [redacted]>  
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Rapid Imaging Software, Inc.

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Your message

To: Delgado, Francisco J. (JSC-ER2)

Cc:

Subject: Let us chat on about SCOUT, SC3D, the X-38 program and RIS;

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02868

Sent: Tue, 19 Sep 2006 08:52:25 -0500



was read on Tue, 19 Sep 2006 09:30:05 -0500

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FW: and the very last communication of the day  
From: Fein, Edward K. (JSC-AL) <HYPERLINK [REDACTED]>  
To: Kennedy, Alan J. (HQ-MC000) <HYPERLINK [REDACTED]>  
CC: Borda, Gary G. (HQ-MC000) <HYPERLINK [REDACTED]>  
Date: Sep 26 2006 - 8:11am

PSISDG\_3691\_1\_149\_1.pdf - 4.7MB - HYPERLINK  
"[http://127.0.0.1:4664/openemail&product=18?id=0000000060DD3C97DBDF854FA0DFC12DCB24F757070098EA6B27A73A274AA37D2D68E1AAD96C0000000B46F20000B906DD4ED66CD544937253A0E58AC1C900000108565A0000%5F213&action=d&s=2j9jyPjw8GDx3QdGj2q\\_fGI5wD0](http://127.0.0.1:4664/openemail&product=18?id=0000000060DD3C97DBDF854FA0DFC12DCB24F757070098EA6B27A73A274AA37D2D68E1AAD96C0000000B46F20000B906DD4ED66CD544937253A0E58AC1C900000108565A0000%5F213&action=d&s=2j9jyPjw8GDx3QdGj2q_fGI5wD0)" View in Outlook

fyi ...

From: Mike Abernathy [mailto:HYPERLINK [REDACTED]]  
Sent: Monday, September 25, 2006 8:18 PM  
To: Delgado, Francisco J. (JSC-ER2); Fein, Edward K. (JSC-AL)  
Subject: FW: and the very last communication of the day

Mike Abernathy

Rapid Imaging Software, Inc.

From: Mike Abernathy [mailto:HYPERLINK [REDACTED]]  
Sent: Monday, September 25, 2006 6:25 PM  
To: FEIN, EDWARD K. (JSC-HA) (NASA); DELGADO FRANCISCO J. (FRANK) (HYPERLINK [REDACTED]); Kennedy, Alan J. (HQ-MC000);  
HYPERLINK [REDACTED]; HYPERLINK [REDACTED];  
'Moore, Thomas, Mr, OSD-ATE'; Davey, Jon (Bingaman)  
Subject: and the very last communication of the day

b(6)

Hi All,

Let me summarize what I think has just happened to our company.

In late 1995 we introduce our LandForm synthetic vision system to the market as COTS software product.

In 1997/8 we sell this to NASA and together we are the first people on earth to create a synthetic vision flight guidance system for a remotely piloted vehicle. Starting in 1998 the X38 is captive carried and test flown using this system. We documented our success in the attached document written in 1998 and published in early 1999. It was my privilege to be at Edwards when it happened, and is the highlight of my career until the program is cancelled in 2002.

We go on and demonstrate that our software can be used as pilot aid to other UAVs including Predator, Shadow, Tern, and many more. We receive no interest in this application, but instead they use it for sensor operator stations. It is a commercial success and people say good things about it. It is sold to mostly to a commercial UAV manufacturer named AAI Corporation. Many tests are done and the military guys all like it.

In 1999 the patent office issues a patent to a former Atari employee named Margolin for a Synthetic Environment for Remotely Piloted Vehicle. He had evidently applied for it in 1996. Shortly thereafter he begins to complain to NASA that they and RIS infringed upon his patent presumably by flying a system 2 years before he received his patent. Is this a joke?

In 7 years he never so much as asked RIS about using his technology. Margolin as best I can tell never built this system and never test flew it. Can't say as I blame him because his system looks to me like a crater looking for an address. It cannot be safely operated in the form patented (no autopilot). No one is even stupid enough to build it this way, not even him.

Sometime after that, I am alerted to the patent. I read it, but since there are major differences in the way X-38 worked with our software, I felt strongly that we had not infringed. I provide this information, plus evidence of prior art to NASA legal counsel. I am troubled because really I can't see how his system could fly because it would fail during link loss. Margolin also had a patent on synthetic vision for manned aircraft (if you can imagine) and we found copious prior art for that. I am also troubled because I never hear that the request for reexamination has been sent in by NASA.

Last week I received an email from Optima technology group threatening (thinly veiled) to destroy our relationships with our customers and sue us if we don't license their technologies. We explain that we do not sell software for use in piloting unmanned aerial vehicles any more owing to insurance which is true. We had demonstrated this in the past, but there really is not much market that we could see. We also explained that we had not infringed and why we thought we had been respectful of their patent, but they just tried to make it look like we infringed. But we did not.

They know we cannot withstand the onslaught of their lawsuits, even though we are clearly and obviously not guilty of infringement. They think that we will have to fold and accept their license, but we cannot do this because they are legal blackmailers, and because they are selling defective technology. If we give in, then they will just destroy some other little companies they way they did ours. And we cannot let anyone pay them off for us, because that just gives them funds to go destroy another company. For many years our company has tried to provide an innovative product with an excellent value and never compromise our integrity. I cannot let this nonsense bring that to an end by pretending that we are licensing technology when what they are selling is a fraud.

When I asked politely if their system has ever been tested Mr. Adams simply tells us to go get a lawyer, he is referring the matter for filing. I felt that it was not unreasonable to ask to know this but it really made him furious. Anyway I told him to tell it to our lawyer Mr. Ben Allison of Sutinfirm with whom I shall meet tomorrow. Tonight they said that they will issue a cease and desist order, which I believe means that we will be unable to sell our software anymore which will destroy our income stream and that will be it. I can't waste anymore time on this now. It is time for me to get back to work on things that matter for our users.

I have a docs appointment tomorrow at 8-10 local time. I had throat surgery recently so I really can't talk and frankly I find I tend to break into tears very frequently when I try to do so. But I want you all to know that I will stand firm until it is over. What would the soldiers who have used our software in combat think of me if I gave ground? Then bring it on.

I know it sounds bad for us right now, but remember that whatever happens to us no one can take away the honor and the privilege of working with NASA, the OSD, and all the other completely excellent people with whom we have worked.

Mike Abernathy

Rapid Imaging Software, Inc.

Attached are the other communications from them.

From: Robert Adams [mailto:HYPERLINK [REDACTED]]  
Sent: Monday, September 25, 2006 3:51 PM  
To: 'Mike Abernathy'  
Subject: RE: license

b(6)

Mike,

Let me try and be clear, all such development at OTG on behalf and or/or by our licensee is covered by NDA's and thus our company can be sued should we violate such agreements. As to your company's infringement of our patents, since that was clearly not covered by a NDA with us; please provide said information in detail:

Other than those items listed at your website and NASA's, what other projects did you do that infringed on our invention? If so when, where, and how?

Who at NASA flight-tested your product that used our invention? Please provide us with the name of the Pilot in Command, the responsible Flight Test Engineer, the model and block number of the vehicle and GCS, and the range or location at which such testing might have taken place with NASA and others. Also, indicate the dates of such testing. If flight test reports are available, as well please provide them to us.

Mike, I have no time to play games with someone who clearly infringes and thinks nothing of respecting our IP.

I will forward said matter to our legal department for further research and filing in accordance with the Federal laws. Please have your legal IP counsel contact our attorneys.

Robert Adams

---

From: Mike Abernathy [mailto:HYPERLINK [REDACTED]]  
Sent: Monday, September 25, 2006 2:26 PM  
To: 'Robert Adams'  
Subject: RE: license

b(6)

Robert,

You have offered to license your technology to our company. You have stated that this technology is useful for "see and avoid applications" for UAVs which is an interesting market arena. We are making a good faith effort to consider your offer. We must know whether this technology has been brought into existence and whether it was ever test flown as a matter of due diligence.

We are not asking these questions out of idle curiosity and we certainly not trying to be difficult – we need this information in order to know the market value of the technology to our users, and there are certain elements of the method that we have concerns about. A flight test report – even if the system was implemented on a model airplane – will almost certainly allay our concerns and we can get on with this. The fact of whether or not this technology has been tested does not require an NDA.

Robert, throughout our dealings I have been honest and responsive to all of your requests, perhaps at peril to our company. I now ask you to please reciprocate my efforts in a small way and provide the requested information so that we may consider your offer of license.

Mike Abernathy

Rapid Imaging Software, Inc.

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From: Robert Adams [mailto:HYPERLINK [REDACTED]]  
Sent: Monday, September 25, 2006 2:49 PM  
To: 'Mike Abernathy'  
Subject: RE: license

b(6)

Mike,

Neither the company nor I are in any way anxious in signing any more licensees's as we have many already, but as you know we must protect our patents in order to preserve said Intellectual Property.

As to your questions, they do not relate to a license and/or a licensee. Our Intellectual Property has been tested in court and is proven solid by far such standards the Federal Court including the Federal Appeals Court. In addition, as to matters of disclosure, all such development at OTG and by our licensee is covered by NDA's.

Should you wish to challenge such, then I advise you to seek proper legal counseling as we are not an attorney nor will ours advice you on such a matters.

Your company has clearly infringed and OTG must protect itself against such matters just as your company would do if in the same position.

Robert Adams

From: Mike Abernathy [mailto:HYPERLINK [REDACTED]]  
Sent: Monday, September 25, 2006 1:29 PM  
To: 'Robert Adams'  
Subject: license

b(6)

Dear Robert,

Please tell the legal team thanks for getting back to us right away – we appreciate it.

You have asked us to consider licensing and this we are now doing. In the interest of due diligence as a prospective licensor of your technology, we ask that you provide us with the following information about the subject invention:

Was this invention ever constructed? If so when, where, and how?  
Was this invention ever flight tested? Please provide us with the name of the Pilot in Command, the responsible Flight Test Engineer, the model and block number of the vehicle and GCS, and the range or location at which such testing might have taken place. Also, indicate the dates of such testing. If flight test reports are available please provide them to us, as well.

I know that you are anxious for us to consider your license offer, please provide us with this information.

Mike Abernathy

Rapid Imaging Software, Inc.

-----  
latest from Optima

From: Mike Abernathy <HYPERLINK [REDACTED]>  
To: FEIN, EDWARD K. (JSC-HA) (NASA) <HYPERLINK [REDACTED]>  
Kennedy, Alan J. (HQ-MC000) <HYPERLINK [REDACTED]>  
Date: Sep 25 2006 - 3:08pm

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image002.gif - 6.9k - HYPERLINK  
"http://127.0.0.1:4664/openemail&product=18?id=0000000060DD3C97DBDF854FA0DFC12DCB24F757070098EA6B27A73A274AA37D2D68E1AAD96C0000000B46F00000014323117FBF29439B34B0E0FB49AE6E00000170A7A10000%5213&action=d&s=nbULrgK1zT1E8HP8EWuTxGuDI9o" View in Outlook

Ed,

This has not blown over. We would rather lose our company than see NASA hurt by this. Ed, it appears that RIS situation is hopeless. They know that we did not infringe, yet they continue because they know that we lack the funds to fight them. Our situation appears hopeless but we cannot accept a license for technology that we know is dangerous to the public, so I cannot accept this deal that they have offered.

Let us know what you think as soon as possible.

Mike Abernathy

Rapid Imaging Software, Inc.

From: Robert Adams [mailto:HYPERLINK [REDACTED]]  
Sent: Monday, September 23, 2006 12:26 PM  
To: 'Mike Abernathy'  
Subject: Privileged and Confidential Settlement Communications Protected Under Rule 408 of the Federal Rules of Evidence

b(6)

Privileged and Confidential Settlement Communications Protected  
Under Rule 408 of the Federal Rules of Evidence

Mike,

My legal team has read your response and it is a personal shame since you would rather cut and run verse facing the facts and take a license for past and future business, as I am sure it would be substantially less then litigation.

As you have been made aware in our prior communications, among other inventions, the Patents protect a number of features that are implemented in products capable of flying any and all UAV's (1.3) remotely and/or using Synthetic Vision and/or using a synthetic environment.

1.1 "Patent Portfolio" shall mean the portfolio consisting of United States Patent Numbers 5,904,724 (Method and Apparatus for Remotely Piloting an Aircraft), 5,566,073 (Pilot Aid Using a Synthetic Environment), and those future United States patents that may be added in accordance with the covenants and warranties.

1.2 "RPV" shall mean "remotely piloted vehicle." A "remotely piloted aircraft" is an RPV. "UAV" shall mean "unmanned aerial vehicle." RPV is an older term for UAV. "UCAV" shall mean "Unmanned Combat Aerial Vehicle." UCAV is also sometimes defined as an "Uninhabited Combat Aerial Vehicle." UCAV is a UAV that is intended for use in combat. UCAS means "Unmanned Combat Air System."

1.3 "Synthetic Vision" is the current term for "Synthetic Environment" and is the three dimensional projected image data presented to the pilot or other observer.

Of the ten companies responsible for the establishment of UAV Specifications or standard, eight of those companies sell UAV-Devices under brands they control, and each of those companies, i.e., Boeing Aerospace; Lockheed; Nakamichi Corporation; General Atomics Corporation; L-3 and Jacor Corporation; Raytheon; and Geneva Aerospace, pay Optima running royalties for the above referenced patents.

The substantial terms and conditions of our licensing Agreement: i) resulted from negotiations with the market leading manufacturers of UAV's; ii) are subject to most favored nation clauses; and iii) are, therefore, not negotiable.

The Agreement i) is exceedingly fair; ii) does not obligate Infringer to anything more than an industry accepted reasonable royalty for the Patents; iii) does not obligate Infringer to anything more than an industry accepted reasonable terms; and iv) may be canceled by Infringer at any time.

Mike, there is no reason to permit Infringer (Your company) to further drag on the execution of said Agreement based on the facts present on the infringement matter.

Infringer must appreciate that the Patents cover a range of different inventions required to implement the UAV using Synthetic Vision Specifications; and there exists pending divisions of the Patents having claims that are read on by implementation of the UAV Specifications. Infringer principal competitors have appreciated the exceptional litigation strength and flexibility of my patent portfolio and have decided to accept a license rather than expose themselves to an injunction.

Infringer must appreciate that if litigation between the parties is initiated: i) the matter will immediately become personal for both parties; ii) I do not have to account to any other person; and iii) no license or settlement of any kind will ever be possible under any of my intellectual properties. Infringer's competitors require that Infringer be either licensed or enjoined.

I have resolved myself to this course of action in the event an agreement reached shortly, I firmly believe that enjoining Infringer from selling UAV-Devices will not result in lost royalties; and it is in Optima's long-term interests to make an example of a company that has refused to take a license.

Anyone who is fully knowledgeable of the strength and scope of my patent portfolio, and who appreciates the risk-taking and tenacity that I have demonstrated, would not, in light of the terms being offered, recommend jeopardizing the UAV

business infringer enjoys in the U.S.

1.

I have just returned from business travel, and have not had a chance to look over your communications in detail. Thank you very much for bringing your concerns to our attention. Let me assure you that we will do everything in our power, now and in the future, to avoid infringement of these or any patents. We have already begun another careful analysis of the patents and will act swiftly upon what we learn, should any problems be found. We have been aware of these patents for some years and have not ever infringed upon them, and will not do so. When we first learned of them, we carefully examined our activities and those of our customers to make sure there was no possible infringement of them. As soon as we learned of it, we also informed the legal departments of our major customers to alert them to the existence of USP 5,904,724, but so far no UAV manufacturers have been seriously interested in offering synthetic vision for their UAV pilot stations.

RIS own admission they knew about '724 will go to show that their infringement was willful, which means treble damages Robert. (They probably found out about it when NASA interviewed Jed about their X-38 project.) We will find out at trial and/or during the discover phase.

From their web site: <http://www.landform.com/>

SmartCam3D provides unparalleled situation awareness for UAS sensor operators. It fuses video with synthetic vision to create the most powerful situation awareness technology currently available. SmartCam3D is an augmented reality system that has been developed, flight tested, and deployed in the most demanding conditions including combat, and as a result it is highly evolved technology which is in use today around the world. The reason that SmartCam3D is so popular is simple: it makes sensor operators more effective, and reduces the target response time. SmartCam3D is deployed with US Army Shadow UAV, and is at present being integrated to the USAF Predator, as well as the Army Warrior UAS. SmartCam3D is the war fighter's choice for sensor operator situational awareness.

Improving a patented invention by adding something to it (in this case fusing video with synthetic vision) is still infringement. Indeed, you may be able to patent the improvement. However, you may not practice the improved invention without the permission of the original patent holder. (It also means that the holder of the original patent may not practice your improvement without your permission.)

Since they publicly admit SmartCam3D is being used with US Army Shadow, USAF Predator, and Army Warrior his statement "no UAV manufacturers have been seriously interested in offering synthetic vision for their UAV pilot stations" is obviously false.

Also from their web site:

#### Software License Changes

RIS, Inc. changed insurance carriers, and effective September 1st, 2006 we updated our Software User License agreement. It now states that "The user is prohibited from using this software to pilot manned or unmanned aircraft." Our licenses have always prohibited use of our software for piloting manned aircraft. As you know, we had hoped that we would find a market for our UAV Glass Cockpit Product line. However, there is simply not sufficient market interest for us to bring such a product to market at this time, so we have decided not to release it. As a small company, we need to focus on our energy on the Sensor Operator and Intelligence Analyst at this time.

He is saying that his product should not be used for the very purpose it being advertised, sold, and used for. Lame. And it doesn't get him off the hook as he is still legally liable.

Since it did not state this until September 1, 2006, he has started to take this seriously, and he is clearly worried thus, he changed the terms to try to reduce the liability. I will have our team use wayback site and pull up the old Software User License agreement prior to Sept 1, 2006 this is when I bet they made all their sales and that is what OTG would be entitled too as well.

Here is a short lesson on infringement for Mike.

Appendix Volume 5 - A16

02877



From : [http://inventors.about.com/library/bl/toc/bl\\_patent-infringement.htm](http://inventors.about.com/library/bl/toc/bl_patent-infringement.htm)

Text Box: Infringement can be direct, indirect, or contributory. Anyone who makes, uses, or sells the patented invention is a direct infringer. If a person actively encourages another to make, use, or sell the invention, the person so inducing is liable for indirect infringement. Contributory infringement can be committed by knowingly selling or supplying an item for which the only use is in connection with a patented invention. Good faith or ignorance is no defense for direct infringement, but it can be for indirect or contributory infringement. The remedies for infringement consist of: 1. Injunctive relief,

2. damages (including treble damages for willful infringement),
3. attorneys' fees in some cases, and
4. court costs.

2.

We discovered that the system described in the patent pertaining to remotely piloted vehicles USP 5,904,724 contains an entire clause in claim 1 that did not exist in the X38 or other UAVs that we have seen – this is the final paragraph of clause 1 regarding the method for handling delay in the control loop by “adjusting control sensitivity”. This simply is not present in any form in any vehicles with which we have experience. Since all claims of this patent include this clause by reference, that patent is not relevant to these vehicles because none of them have this feature.

The clause he is referring to is:

a set of one or more remote flight controls coupled to said computer for inputting said flight control information, wherein said computer is also for determining a delay time for communicating said flight data between said computer and said remotely piloted aircraft, and wherein said computer adjusts the sensitivity of said set of one or more remote flight controls based on said delay time.

Time delays in a control system are unavoidable. Normally, a control system has fixed time delays and the system is designed to operate properly with these time delays. Because of the complexity of a UAV system these time delays may not be known at the time the system (including the control laws) are designed. These time delays may also change during a mission due to the communications path changing. If the system does not properly deal with these changing time delays it will lead to pilot-induced oscillation and there is a good chance the aircraft will crash.

Anyone designing a UAS that does not adjust for changing time delays is an idiot. I don't think the people making UAVs are idiots. That does not relieve him of contributory infringement. It is likely that these time delays are dealt with as part of the control law system which Abernathy might not be privy to and thus a court order will provide us his insider info.

3.

More important however, is that all UAV control systems with which we are familiar require a device called an autopilot which is not contemplated at all in the subject patent. This device is similar to ones in modern manned aircraft, but it is used to control the aircraft flight in the pitch, heading, and roll axes. On UAVs, the communications delay is not handled by determining the delay and adjusting the control sensitivity as Margolin prescribes. Instead, an autopilot is installed onboard the aircraft where it senses changes in pitch, heading, and roll locally on board the aircraft. The pilot still makes control inputs to fly the airplane, but only via the autopilot on board the aircraft. The autopilot corrects attitude drift instantaneously avoiding the problem of substantial communication delays, and allows the pilot to control the vehicle in a more stable manner.

Most important, the autopilot is absolutely required to deal with the frequent communications outages which occur between the UAV and the ground control segment (This can be anywhere from a second to an hour in length, generally). In the system of Margolin, a communications outage would often result in the loss of the aircraft, because the pilot would be unable to correct attitude drift during communication link loss and the air vehicle would go out of control and could crash. In the last decade of working with UAVs never have I witnessed a flight in which the communication link was not lost at least once during the flight. If the control communication link goes down, no control inputs can be made to the aircraft from the pilot on the ground, but the autopilot keeps the airplane from crashing by flying straight and level or gently banking until the link is restored. The system of Margolin does not recognize the problem of link loss, and fails to offer any solution. The autopilot functionality can be located in various components in the X38 it was in the on board GNC (Guidance Navigation and Control) computer, as I recollect.

The fact that '724 does not explicitly teach an autopilot is irrelevant. Adding an autopilot to '724 is still infringement, just as

adding a video overlay is infringement.

There is also the matter of the Doctrine of Equivalence. See attached file patents1.pdf

Consider Column 2, lines 12-18:

The computers in the system allow for several modes of operation. For example, the remote aircraft can be instructed to fly to given coordinates without further input from the remote pilot. It also makes it possible to provide computer assistance to the remote pilot. In this mode, the remote flight control controls absolute pitch and roll angles instead pitch and roll rates which is the normal mode for aircraft.

That legal sounds like a defined autopilot to me and that as we need to show infringement at the Markman hearing..

4.

There is another on-board component called a SAS or Stability Augmentation System found on most large modern UAVs such as Predator, and which performs additional real-time stabilization to that done by the autopilot. Again, the SAS is not contemplated by the Margolin patent, yet is required to dampen control system oscillations in order to safely operate a UAV in systems that may suffer from communications delays to remote user control inputs. There are many more differences that we found when we first examined it, but as you can see we have never worked with a vehicle upon which your system could have been implemented and safely flown, and therefore we realized that it is impossible for us to have infringed this patent 5,904,724. You may easily independently verify the fact of these profound and fundamental differences from your system by examining the printed published materials regarding UAV control system and NASA's many publications on X-38 control systems.

Again, adding something to '724 is still infringement.

As far as examining the control systems on NASA's X-38 project is concerned, in a telephone conversation with NASA's Alan Kennedy in the Office of the General Counsel on February 9, 2006, he repeated his claim that, "The X-38 does fly." NASA has a video of the X-38 (flying) on its web site. (See <http://www.dfrc.nasa.gov/Gallery/Movie/X-38/HTML/EM-0038-01.html>)

5.

We have never allowed our software to be used as an aid in piloting manned aircraft and thus cannot have infringed 5,566,073. If you aware of anyone doing this with our software, kindly inform us immediately, and we will ask them to desist.

We still have him on infringing on '724.

6.

Finally, let me set your mind at ease by informing you that our software product license currently explicitly contains the following clause: "The user is prohibited from using this software to pilot manned or unmanned aircraft." Alas, the requirements of our current company insurance policy, combined with the profound lack of a market for this possible application of our technology facilitated this business decision. Your letter said we recognize the "value" of this technology, but in view of the current situation "lack of value" is probably more appropriate.

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From: Mike Abernathy [mailto:HYPERLINK [REDACTED]]  
Sent: Monday, September 25, 2006 9:08 AM  
To: 'Robert Adams'  
Subject: question

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Robert,

Thanks for your offer to call but I am still getting over throat surgery from 2 weeks ago so my phone is forwarded, but I look forward to email from you and/or your attorneys.

In trying to understand the value of your IP I would like to ask 2 questions regarding USP 5,904,724. Was this system ever built? Was it ever flight tested? Of course you need not answer, but it really would be helpful in understanding what is required to get your technology to market.

Mike Abernathy

Rapid Imaging Software, Inc.

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Respectfully,

Robert Adams

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and in the future, to avoid infringement of these or any patents. We have already begun another careful analysis of them and will act swiftly upon what we learn, should any problems be found. We have been aware of these patents for some years and have not ever infringed upon them, and will not do so. When we first learned of them we carefully examined our activities and those of our customers to make sure there was no possible infringement of them. As soon as we learned of it, we also informed the legal departments of our major customers to alert them to the existence of USP 5,904,724, but so far no UAV manufacturers have been seriously interested in offering synthetic vision for their UAV pilot stations.

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We have never allowed our software to be used as an aid in piloting manned aircraft and thus cannot have infringed 5,566,073. If you are aware of anyone doing this with our software, kindly inform us immediately, and we will ask them to desist.

Finally, let me set your mind at ease by informing you that our software product license currently explicitly contains the following clause: “The user is prohibited from using this software to pilot manned or unmanned aircraft.” Alas, the

requirements of our current company insurance policy, combined with the profound lack of a market for this possible application of our technology facilitated this business decision. Your letter said we recognize the "value" of this technology, but in view of the current situation "lack of value" is probably more appropriate.

We will get back to you just as soon as we have had a chance to study these patent claims further. For now, is there anything else that our company can reasonably do in regard to the concern that you expressed?

Sincerely,

Mike Abernathy

Rapid Imaging Software, Inc.

---

From: Robert Adams [mailto:HYPERLINK [REDACTED]]  
Sent: Tuesday, September 19, 2006 7:53 AM  
To: HYPERLINK [REDACTED]  
Cc: HYPERLINK [REDACTED]  
Subject: [Norton AntiSpam] Rapid Imaging Software, Inc. patent infringement

b(6)

It has come to our attention that your company provides Synthetic Vision to fly UAV both in real time and in simulation.

---

September 19, 2006

Michael F. Abernathy

Rapid Imaging Software, Inc.

[REDACTED]  
[REDACTED]

b(6)

Sent via US MAIL, FAX & EMAIL

Mr. Abernathy,

It has come to our attention that your company provides Synthetic Vision to fly UAV both in real time and in simulation.

I am sure that Mr. Francisco Delgado of NASA and your other clients would agree with your company having a proper license of our intellectual property.

Hence as a legal formality, we are inviting your company to license our technology seeing that your company is already commercially using and selling said technology as covered by our IP listed below:

United States Patent 5,566,073 Margolin October 15, 1996 Pilot aid using a synthetic environment

United States Patent 5,904,724 Margolin May 18, 1999, Method and apparatus for remotely piloting an aircraft

We are pleased that you recognize the value of using Synthetic Vision to allow UAV's to See-and-Avoid other aircraft; this is covered by our patents as noted above.

Please contact us so that we can a proper legal license with our attorneys for your use of our technology and/or you may contact our attorneys (HYPERLINK "<http://by106fd.bay106.hotmail.msn.com/cgi-bin/compose?mailto=1&msg=0BE8FF07-CD08-47B5-A58D->

[A825698FD5EB&start=0&len=6480&src=&type=x&to=\[redacted\]&cc=&bcc=&subject=&body=&curmbox=00000000-0000-0000-0000-0000000000001&a=ad17460c4976d4c8a2dcf004b74ca88163cef3516fe0531abada331a64870d4c](mailto:A825698FD5EB&start=0&len=6480&src=&type=x&to=[redacted]&cc=&bcc=&subject=&body=&curmbox=00000000-0000-0000-0000-0000000000001&a=ad17460c4976d4c8a2dcf004b74ca88163cef3516fe0531abada331a64870d4c)" HYPERLINK

"mailto:[redacted]" arrange a proper license of said intellectual property. You have 15 days to do so.

b(6)

Sincerely,

Robert Adams, CEO

Optima Technology Group

RA/cp

-enclosure links-

FW: question

From: Mike Abernathy <HYPERLINK "mailto:[redacted]">[redacted]

To: DELGADO FRANCISCO J. (FRANK) <HYPERLINK "mailto:[redacted]">[redacted]

[redacted] Fein, Edward K. (JSC-AL) <HYPERLINK "mailto:[redacted]">[redacted]

Appendix Volume 5 - A22

b(6)

[REDACTED] 'Kennedy, Alan J. (HQ-MC000)' <HYPERLINK [REDACTED]

<HYPERLINK [REDACTED]

Date: Sep 25 2006 - 11:44am

One more FYI.

b(6)

Mike Abernathy

Rapid Imaging Software, Inc.

---

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Rapid Imaging Software, Inc.

[Redacted]

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b(6)

02887

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Robert Adams, CEO

Optima Technology Group

RA/cp

-enclosure links-

RE: Rapid Imaging Software, Inc. patent infringement

From: Fein, Edward K. (JSC-AL) <HYPERLINK [REDACTED]>

To: Mike Abernathy <HYPERLINK [REDACTED]>, DELGADO FRANCISCO J. (FRANK) <HYPERLINK [REDACTED]>

CC: Kennedy, Alan J. (HQ-MC000)

Date: Sep 25 2006 - 10:38am

Thanks, Mike.

b(6)

-Ed

From: Mike Abernathy [mailto:HYPERLINK [REDACTED]]

Sent: Monday, September 25, 2006 10:32 AM

To: Fein, Edward K. (JSC-AL); DELGADO FRANCISCO J. (FRANK)

Cc: Kennedy, Alan J. (HQ-MC000)

Subject: FW: Rapid Imaging Software, Inc. patent infringement

b(6)

FYI

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b(6)

Dear Mr. Adams,

I have just returned from business travel, and have not had a chance to look over your communications in detail. Thank you very much for bringing your concerns to our attention. Let me assure you that we will do everything in our power, now and in the future, to avoid infringement of these or any patents. We have already begun another careful analysis of them and will act swiftly upon what we learn, should any problems be found. We have been aware of these patents for some years and have not ever infringed upon them, and will not do so. When we first learned of them we carefully examined our activities and those of our customers to make sure there was no possible infringement of them. As soon as we learned of it, we also informed the legal departs of our major customers to alert them to the existence of USP 5,904,724, but so far no UAV manufacturers have been seriously interested in offering synthetic vision for their UAV pilot stations.

We discovered that the system described the in patent pertaining to remotely piloted vehicles USP 5,904,724 contains an entire clause in claim 1 that did not exist in the X38 or other UAVs that we have seen – this is the final paragraph of clause 1 regarding the method for handling delay in the control loop by “adjusting control sensitivity”. This simply is not present in any form in any vehicles with which we have experience. Since all claims of this patent include this clause by reference, that patent is not relevant to these vehicles because none of them have this feature.

More important however, is that all UAV control systems with which we are familiar require a device called an autopilot which is not contemplated at all in the subject patent. This device is similar to ones in modern manned aircraft, but it is used to control the aircraft flight in the pitch, heading, and roll axes. On UAVs, the communications delay is not handled by determining the delay and adjusting the control sensitivity as Margolin prescribes. Instead, an autopilot is installed onboard the aircraft where it senses changes in pitch, heading, and roll locally on board the aircraft. The pilot still makes control inputs to fly the airplane, but only via the autopilot on board the aircraft. The autopilot corrects attitude drift instantaneously avoiding the problem of substantial communication delays, and allows the pilot to control the vehicle in a more stable manner.

Most important, the autopilot is absolutely required to deal with the frequent communications outages which occur between the UAV and the ground control segment (This can be anywhere from a second to an hour in length, generally). In the system of Margolin, a communications outage would often result in the loss of the aircraft, because the pilot would be unable to correct attitude drift during communication link loss and the air vehicle would go out of control and could crash. In the last decade of working with UAVs never have I witnessed a flight in which the communication link was not lost at least once during the flight. If the control communication link goes down, no control inputs can be made to the aircraft from the pilot on the ground, but the autopilot keeps the airplane from crashing by flying straight and level or gently banking until the link is restored. The system of Margolin does not recognize the problem of link loss, and fails to offer any solution. The autopilot functionality can be located in various components in the X38 it was in the on board GNC (Guidance Navigation and Control) computer, as I recollect.

There is another on-board component called a SAS or Stability Augmentation System found on most large modern UAVs such as Predator, and which performs additional real-time stabilization to that done by the autopilot. Again, the SAS is not contemplated by the Margolin patent, yet is required to dampen control system oscillations in order to safely operate a UAV in systems that may suffer from communications delays to remote user control inputs. There are many more differences that we found when we first examined it, but as you can see we have never worked with a vehicle upon which your system could have been implemented and safely flown, and therefore we realized that it is impossible for us to have infringed this patent 5,904,724. You may easily independently verify the fact of these profound and fundamental differences from your system by examining the printed published materials regarding UAV control system and NASAs many publications on X-38 control systems.

We have never allowed our software to be used as an aid in piloting manned aircraft and thus cannot have infringed 5,566,073. If you aware of anyone doing this with our software, kindly inform us immediately, and we will ask them to desist.

Finally, let me set your mind at ease by informing you that our software product license currently explicitly contains the following clause: "The user is prohibited from using this software to pilot manned or unmanned aircraft." Alas, the requirements of our current company insurance policy, combined with the profound lack of a market for this possible application of our technology facilitated this business decision. Your letter said we recognize the "value" of this technology, but in view of the current situation "lack of value" is probably more appropriate.

We will get back to you just as soon as we have had a chance to study these patent claims further. For now, is there anything else that our company can reasonably do in regard to the concern that you expressed?

Sincerely,

Mike Abernathy

Rapid Imaging Software, Inc.

---

From: Robert Adams [mailto:HYPERLINK [REDACTED]]  
Sent: Tuesday, September 19, 2006 7:53 AM  
To: HYPERLINK "mailto:[REDACTED]"  
Cc: HYPERLINK "mailto:[REDACTED]"  
Subject: [Norton AntiSpam] Rapid Imaging Software, Inc. patent infringement

b(6)

02890

It has come to our attention that your company provides Synthetic Vision to fly UAV both in real time and in simulation.

September 19, 2006

Michael F. Abernathy

Rapid Imaging Software, Inc.

  
 b(6)

Sent via US MAIL, FAX & EMAIL

Mr. Abernathy,

It has come to our attention that your company provides Synthetic Vision to fly UAV both in real time and in simulation.

I am sure that Mr. Francisco Delgado of NASA and your other clients would agree with your company having a proper license of our intellectual property.

Hence as a legal formality, we are inviting your company to license our technology seeing that your company is already commercially using and selling said technology as covered by our IP listed below:

United States Patent 5,566,073 Margolin October 15, 1996 Pilot aid using a synthetic environment

United States Patent 5,904,724 Margolin May 18, 1999, Method and apparatus for remotely piloting an aircraft

We are pleased that you recognize the value of using Synthetic Vision to allow UAV's to See-and-Avoid other aircraft; this is covered by our patents as noted above.

Please contact us so that we can a proper legal license with our attorneys for your use of our technology and/or you may contact our attorneys (HYPERLINK "[http://by106fd.bay106.hotmail.msn.com/cgi-bin/compose?mailto=1&msg=0BE8FF07-CD08-47B5-A58D-A825698FD5EB&start=0&len=6480&src=&type=x&to=\[REDACTED\]&cc=&bcc=&subject=&body=&curmbox=00000000-0000-0000-0000-000000000001&a=ad17460c4976d4c8a2dcf004b74ca88163cef3516fe0531abada331a64870d4c](http://by106fd.bay106.hotmail.msn.com/cgi-bin/compose?mailto=1&msg=0BE8FF07-CD08-47B5-A58D-A825698FD5EB&start=0&len=6480&src=&type=x&to=[REDACTED]&cc=&bcc=&subject=&body=&curmbox=00000000-0000-0000-0000-000000000001&a=ad17460c4976d4c8a2dcf004b74ca88163cef3516fe0531abada331a64870d4c)" HYPERLINK "mailto:[REDACTED]" to arrange a proper license of said intellectual property. You have 15 days to do so.

b(6)

Sincerely,

Robert Adams, CEO  
Optima Technology Group

RA/cp

-enclosure links-

RE: Rapid Imaging Software, Inc. patent infringement  
From: Fein, Edward K. (JSC-AL) <HYPERLINK [REDACTED]>  
To: Mike Abernathy <HYPERLINK [REDACTED]>, DELGADO FRANCISCO J. (FRANK) <HYPERLINK [REDACTED]>  
CC: Kennedy, Alan J. (HQ-MC000) <HYPERLINK [REDACTED]>  
Date: Sep 25 2006 - 10:38am  
Thanks, Mike.

b(6)

-Ed

From: Mike Abernathy [mailto:HYPERLINK [REDACTED]]  
Sent: Monday, September 25, 2006 10:32 AM  
To: Fein, Edward K. (JSC-AL); DELGADO FRANCISCO J. (FRANK)  
Cc: Kennedy, Alan J. (HQ-MC000)  
Subject: FW: Rapid Imaging Software, Inc. patent infringement

b(6)

FYI

Mike Abernathy  
Rapid Imaging Software, Inc.

From: Robert Adams [mailto:HYPERLINK [REDACTED]]  
Sent: Monday, September 25, 2006 8:55 AM  
To: 'Mike Abernathy'  
Subject: RE: Rapid Imaging Software, Inc. patent infringement

b6  
b7c

Mike,

Thanks for your email, I will forward it today over to my patent and review legal team. Once they complete a review of your comments, I will give you a ring on the phone and a response via the post and/or attorneys.

Respectfully,

Robert Adams

From: Mike Abernathy [mailto:HYPERLINK [REDACTED]]  
Sent: Sunday, September 24, 2006 4:29 PM  
To: 'Robert Adams'  
Subject: RE: Rapid Imaging Software, Inc. patent infringement

b6  
b7c

Dear Mr. Adams,

I have just returned from business travel, and have not had a chance to look over your communications in detail. Thank you very much for bringing your concerns to our attention. Let me assure you that we will do everything in our power, now and in the future, to avoid infringement of these or any patents. We have already begun another careful analysis of them and will act swiftly upon what we learn, should any problems be found. We have been aware of these patents for some years and have not ever infringed upon them, and will not do so. When we first learned of them we carefully examined our activities and those of our customers to make sure there was no possible infringement of them. As soon as we learned of it, we also informed the legal departs of our major customers to alert them to the existence of USP 5,904,724, but so far no UAV manufacturers have been seriously interested in offering synthetic vision for their UAV pilot stations.

We discovered that the system described the in patent pertaining to remotely piloted vehicles USP 5,904,724 contains an entire clause in claim 1 that did not exist in the X38 or other UAVs that we have seen – this is the final paragraph of clause 1 regarding the method for handling delay in the control loop by “adjusting control sensitivity”. This simply is not present in any form in any vehicles with which we have experience. Since all claims of this patent include this clause by reference, that patent is not relevant to these vehicles because none of them have this feature.



**From:** McNutt, Jan (HQ-MC000)  
**Sent:** Thursday, September 25, 2008 3:43 PM  
**To:** Fein, Edward K. (JSC-AL)  
**Subject:** FW: Margolin Patent Infringement Claim

Ed,

[Redacted]

[Redacted]

b(5)

[Redacted]

[Redacted]

Thanks and Regards, << File: SBIR Margolin Claim.pdf >>  
Jan

**From:** McNutt, Jan (HQ-MC000)  
**Sent:** Monday, September 15, 2008 1:32 PM  
**To:** Fein, Edward K. (JSC-AL)  
**Subject:** Margolin Patent Infringement Claim

Dear Ed,

[Redacted]

b(5)

[Redacted]

<< File: RIT SBIR Proposal.pdf >>  
Regards,

Jan S. McNutt  
Senior Attorney (Commercial)  
Office of the General Counsel

NASA Headquarters

[REDACTED]  
[REDACTED] W  
[REDACTED] 01  
[REDACTED]  
[REDACTED]

b(6)

This document, including any attachments, contains information that may be confidential, protected by the attorney-client or other applicable privileges, or constitutes non-public information. All content is intended only for the designated recipient(s). If you are not an intended recipient of this information or have received this message inadvertently, please take appropriate steps to destroy this content in its entirety and notify the sender of its destruction. Use, dissemination, distribution, or reproduction of this information by unintended recipients or in a manner inconsistent with its provision is not authorized and may be unlawful.

02895

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[Redacted]

**From:** Robert Adams-OTG [radams@optimatechnologygroup.com]  
**Sent:** Tuesday, September 30, 2008 1:04 PM  
**To:** McNutt, Jan (HQ-MC000)  
**Subject:** FW: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.  
**Attachments:** OTG\_NASA\_25AUG08.pdf; OTG\_NASA\_Refs.pdf; nasa\_usps.pdf

Sir,

[Redacted]

Dr. Adams

b(4)

**From:** Robert Adams-OTG [Redacted]  
**Sent:** Monday, August 25, 2008 3:48 PM  
**To:** 'McNutt, Jan (HQ-MC000)'; [Redacted]  
**Subject:** Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

b(6)

Sent via U.S. Mail with tracking number

Jan S. McNutt,

Please see the attached letter; it is your response to your most recent letter.

Thank you,

Dr. Robert Adams – CEO  
Optima Technology Group

[Redacted]  
[Redacted]

b(6)

Simply Smarter, Encryption & Aerospace Solutions since 1990! The information contained in this e-mail and any attachments are legally privileged and confidential. If you are not an intended recipient, you are hereby notified that any dissemination, any and all distribution or copying of this e-mail is strictly prohibited without the prior consent of Optima Technology Group (sender). If you have received this e-mail in error, please notify the sender and permanently delete the e-mail and any attachments immediately. You should not retain, copy or use this e-mail or any attachment for any purpose, nor disclose all or any part of the contents to any other person. Thank you.



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
WASHINGTON, DC

13 Aug 02

HQ USAF/XO  
1630 Air Force Pentagon  
Washington, DC 20330-1630

Mr. Jed Margolin

[REDACTED]

b(6)

Dear Mr. Margolin

On behalf of Secretary Roche, thank you for providing your ideas on ways to improve UAV control technology. As you know, we are now operating the Global Hawk and Predator systems in reconnaissance roles, and envision expanding unmanned aircraft applications into the weapons delivery mission area with the UCAV and the Predator/Predator B aircraft. Certainly we see a growing role for UAVs in the Air Force as technology advances and we gain experience in their operation. The improved control methods you have patented may well play a part in future UAV design. I suggest that you present these concepts to the various UAV manufacturers who are in the business of designing systems to meet our operational requirements. They can offer the best assessment on the overall feasibility of integrating your technology. I suggest a similar approach regarding your patented laser techniques.

Again, thank you for taking the time to offer these suggestions. I admire your ingenuity, and appreciate your desire to help us improve our national defense capabilities.

Sincerely

A handwritten signature in cursive script, appearing to read "Charles F. Wald".

CHARLES F. WALD, Lt Gen, USAF  
Deputy Chief of Staff  
Air & Space Operations

cc:  
SAF/AQ  
AF/XOR

**From:** McNutt, Jan (HQ-MC000)  
**Sent:** Wednesday, October 01, 2008 10:58 AM  
**To:** 'Robert Adams-OTG'  
**Subject:** RE: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

Dear Mr. Adams,

[REDACTED]

Regards,

b(4)

Jan S. McNutt  
Senior Attorney (Commercial)  
Office of the General Counsel  
NASA Headquarters

[REDACTED]

b(6)

This document, including any attachments, contains information that may be confidential, protected by the attorney-client or other applicable privileges, or constitutes non-public information. All content is intended only for the designated recipient(s). If you are not an intended recipient of this information or have received this message inadvertently, please take appropriate steps to destroy this content in its entirety and notify the sender of its destruction. Use, dissemination, distribution, or reproduction of this information by unintended recipients or in a manner inconsistent with its provision is not authorized and may be unlawful.

**From:** Robert Adams-OTG [REDACTED]  
**Sent:** Tuesday, September 30, 2008 1:04 PM  
**To:** McNutt, Jan (HQ-MC000)  
**Subject:** FW: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

b(6)

Sir,

b(4)

[REDACTED]

Dr. Adams

**From:** Robert Adams-OTG [REDACTED]  
**Sent:** Monday, August 25, 2008 3:48 PM  
**To:** 'McNutt, Jan (HQ-MC000)'; 'jan.mcnutt@nasa.gov'  
**Subject:** Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

b(6)

Sent via U.S. Mail with tracking number

02936

Jan S. McNutt,

Please see the attached letter; it is your response to your most recent letter.

Thank you,

Dr. Robert Adams – CEO  
Optima Technology Group



b(6)

Simply Smarter, Encryption & Aerospace Solutions since 1990! The information contained in this e-mail and any attachments are legally privileged and confidential. If you are not an intended recipient, you are hereby notified that any dissemination, any and all distribution or copying of this e-mail is strictly prohibited without the prior consent of Optima Technology Group (sender). If you have received this e-mail in error, please notify the sender and permanently delete the e-mail and any attachments immediately. You should not retain, copy or use this e-mail or any attachment for any purpose, nor disclose all or any part of the contents to any other person. Thank you.

02937

**From:** Burns, Laura (HQ-MA000)  
**Sent:** Wednesday, October 01, 2008 2:18 PM  
**To:** McNutt, Jan (HQ-MC000)  
**Subject:** RE: UAS.vs.OTG

Jan,

Attached is the update for the docket. Please let me know which documents you would like.



docket.update.pdf

Laura

*Laura Burns*

Law Librarian for the Office of the General Counsel  
NASA Headquarters

[Redacted]

[Redacted]

b(6)

---

**From:** McNutt, Jan (HQ-MC000)  
**Sent:** Wednesday, October 01, 2008 11:05 AM  
**To:** Burns, Laura (HQ-MA000)  
**Subject:** RE: UAS.vs.OTG

Laura,

Could you get an update on this case for me. I've included the last docket document you sent me for the case.

<< File: UAs vs OTG docket.pdf >>

Thanks,  
Jan

---

**From:** Burns, Laura (HQ-MA000)  
**Sent:** Friday, August 15, 2008 2:10 PM  
**To:** McNutt, Jan (HQ-MC000)  
**Subject:** UAS.vs.OTG

Jan,

Attached are some documents from the Universal case. Several of the documents were not available because they were sealed. If you have any questions, let me know.

<< File: UAs.vs.OTG.docket.pdf >>

<< File: OTG.Answer.to.UAS.Complaint.pdf >>      << File: OTG.Amended.Answer.pdf >>      << File:  
UAS.Reply.Counterclaims.pdf >>      << File: UAS.Order.Motion.Dismiss.4.9.08.pdf >>      << File:



Laura

*Laura Burns*

Law Librarian for the Office of the General Counsel  
NASA Headquarters

[REDACTED]  
[REDACTED] 46  
[REDACTED]

b(6)

Date Filed	#	Docket Text
09/24/2008	<a href="#">148</a>	ORDER granting <a href="#">147</a> Stipulation of Dismissal :All claims and counterclaims in this action are dismissed with prejudice and the Clerk shall CLOSE this case. Each party shall be responsible for paying its own attorneys' fees and costs incurred in this action.. Signed by Judge Raner C Collins on 9/23/08. (JKM, ) (Entered: 09/24/2008)
09/23/2008	<a href="#">147</a>	STIPULATION of Dismissal <i>with Prejudice</i> by Optima Technology Group, Inc., Jed Margolin, Universal Avionics Systems Corporation. (Attachments: # <a href="#">1</a> Text of Proposed Order)(Bernheim, Robert) (Entered: 09/23/2008)
09/23/2008	<a href="#">146</a>	ORDER granting <a href="#">145</a> Stipulation : Dfts shall have up to and including 9/29/2008 to file their motion regarding preliminary invalidity contentions. Pla shall have up to and including 9/29/2008 to file their motion regarding case bifurcation and up to and including 10/10/2008 to file their brief regarding disputed patent prosecution exclusion. The parties shall have ten days after the filing of the motions to respond.. Signed by Judge Raner C Collins on 9/22/08. (JKM, ) (Entered: 09/23/2008)
09/22/2008	<a href="#">145</a>	STIPULATION <i>to Extend Deadlines to File Briefs</i> by Optima Technology Group, Inc., Jed Margolin, Universal Avionics Systems Corporation. (Attachments: # <a href="#">1</a> Text of Proposed Order)(Bernheim, Robert) (Entered: 09/22/2008)
09/19/2008	<a href="#">144</a>	BRIEF <i>Re Prejudice Caused by Universal's Proposed Restriction Against Patent Prosecution</i> by Defendants Optima Technology Group, Inc., Jed Margolin. (Bernheim, Robert) (Entered: 09/19/2008)
09/16/2008	<a href="#">143</a>	ORDER granting <a href="#">142</a> Stipulation : dfts have until 9/19/08 to file their briefs re: prejudice resulting from the disputed patent prosecution exclusion, 9/22/08 to file briefs re: preliminary invalidity contentions, Plaintiff have until 9/22/08 to file their brief re: case bifurcation. All parties have 10 days to file responsive memorandum after the initial briefs are filed. Signed by Judge Raner C Collins on 9/16/08. (SSU, ) (Entered: 09/16/2008)
09/15/2008	<a href="#">142</a>	STIPULATION <i>to Extend Deadlines to File Briefs</i> by Optima Technology Group, Inc., Jed Margolin, Universal Avionics Systems Corporation. (Attachments: # <a href="#">1</a> Text of Proposed Order)(Bernheim, Robert) (Entered: 09/15/2008)
09/08/2008	<a href="#">141</a>	ORDER granting <a href="#">140</a> Motion for Extension of Time. Dft's briefs re: prejudice resulting from disputed patent prosecution exclusion be filed by 9/12/08, Dft's briefs re: preliminary invalidity contentions be filed by 9/15/08 and Plaintiff's brief re: case bifurcation be filed by 9/15/08. See attached PDF for additional information. Signed by Judge Raner C Collins on 9/8/08.(SSU, ) (Entered: 09/08/2008)
09/05/2008	<a href="#">140</a>	MOTION for Extension of Time <i>To File Briefs</i> by Optima Technology Group, Inc., Jed Margolin. (Attachments: # <a href="#">1</a> Text of Proposed Order)(Bernheim, Robert) (Entered: 09/05/2008)
08/28/2008	<a href="#">139</a>	SCHEDULING ORDER: Discovery due by 9/12/2009. Dispositive motions

02940

		due by 11/12/2009. Proposed Pretrial Order due by 11/25/2009. Status Report due by 1/5/2009. See attached PDF for additional information. Signed by Judge Raner C Collins on 8/28/08. (SSU, ) (Entered: 08/28/2008)
08/28/2008	<u>138</u>	Notice re Service of Defendants' Rule 26(a)(1) Initial Disclosure Statement by Optima Technology Group, Inc., Jed Margolin (Bernheim, Robert) (Entered: 08/28/2008)
08/26/2008	<u>137</u>	Notice re Notice of Service of Initial Disclosures by Universal Avionics Systems Corporation (Mandel, Robert) (Entered: 08/26/2008)
08/25/2008	<u>136</u>	REPORT of Joint Rule 26(f) Report and Respective Case Management Plans by Defendants Optima Technology Group, Inc., Jed Margolin, Plaintiff Universal Avionics Systems Corporation. (Bernheim, Robert) (Entered: 08/25/2008)
08/25/2008	<u>135</u>	NOTICE of Deposition of Optima Technology Group 30(b)(6), filed by Universal Avionics Systems Corporation. (Mandel, Robert) (Entered: 08/25/2008)
08/18/2008	<u>134</u>	CLERK'S JUDGMENT in favor of Universal Avionics Systems Corporation against Optima Technology Corporation. Defendant Optima Technology Corporation has been terminated. Signed by Judge Raner C Collins on 8/18/08. (CLJ, ) (Entered: 08/18/2008)
08/18/2008	<u>133</u>	CLERK'S JUDGMENT in favor of Universal Avionics Systems Corporation against Optima Technology Corporation. Cross-defendant Optima Technology Corporation has been terminated. Signed by Judge Raner C Collins on 8/18/08. (CLJ, ) (Entered: 08/18/2008)
08/18/2008	<u>132</u>	ORDER that Final Judgment entered against Defendant Optima Technology Corporation. ***See attached PDF for complete information***. Signed by Judge Raner C Collins on 8/18/08. (CLJ, ) (Entered: 08/18/2008)
08/18/2008	<u>131</u>	ORDER that Final Judgment entered against Cross-Defendants Optima Technology Corporation. ***See attached PDF for complete information***. Signed by Judge Raner C Collins on 8/18/08. (CLJ, ) (Entered: 08/18/2008)
08/18/2008	<u>130</u>	DEFAULT JUDGMENT in favor of Universal Avionics Systems Corporation against Optima Technology Corporation. Signed by Judge Raner C Collins on 8/18/08. (CLJ, ) (Entered: 08/18/2008)
08/18/2008	<u>129</u>	ORDER denying <u>115</u> Motion for Reconsideration ; granting <u>123</u> Motion for Default Judgment. Signed by Judge Raner C Collins on 8/18/08.(CLJ, ) (Entered: 08/18/2008)
08/18/2008	<u>128</u>	Notice re Service of Responses to Universal Avionics Systems Corporation's First Request for Production of Documents and Things by Optima Technology Group, Inc., Jed Margolin (Bernheim, Robert) (Entered: 08/18/2008)

02941

Appendix Volume 5 - A43

[Redacted]

**From:** Burns, Laura (HQ-MA000)  
**Sent:** Wednesday, October 01, 2008 4:20 PM  
**To:** McNutt, Jan (HQ-MC000)  
**Subject:** RE: UAS.vs.OTG

The requested documents are attached.



*Laura Burns*

Law Librarian for the Office of the General Counsel  
NASA Headquarters

[Redacted]

[Redacted]

b(6)

---

**From:** McNutt, Jan (HQ-MC000)  
**Sent:** Wednesday, October 01, 2008 3:55 PM  
**To:** Burns, Laura (HQ-MA000)  
**Subject:** RE: UAS.vs.OTG

Laura,

If you can, I'd like documents:

129, 131, 132, 136, 144, 146 and 148

Thanks,  
Jan

---

**From:** Burns, Laura (HQ-MA000)  
**Sent:** Wednesday, October 01, 2008 2:18 PM  
**To:** McNutt, Jan (HQ-MC000)  
**Subject:** RE: UAS.vs.OTG

Jan,

Attached is the update for the docket. Please let me know which documents you would like.

<< File: docket.update.pdf >>

Laura

*Laura Burns*

Law Librarian for the Office of the General Counsel  
NASA Headquarters

[Redacted]

b(6)



b(6)

**From:** McNutt, Jan (HQ-MC000)  
**Sent:** Wednesday, October 01, 2008 11:05 AM  
**To:** Burns, Laura (HQ-MA000)  
**Subject:** RE: UAS.vs.OTG

Laura,

Could you get an update on this case for me. I've included the last docket document you sent me for the case.

<< File: UAs vs OTG docket.pdf >>

Thanks,  
Jan

**From:** Burns, Laura (HQ-MA000)  
**Sent:** Friday, August 15, 2008 2:10 PM  
**To:** McNutt, Jan (HQ-MC000)  
**Subject:** UAS.vs.OTG

Jan,

Attached are some documents from the Universal case. Several of the documents were not available because they were sealed. If you have any questions, let me know.

<< File: UAs.vs.OTG.docket.pdf >>

<< File: OTG.Answer.to.UAS.Complaint.pdf >>      << File: OTG.Amended.Answer.pdf >>      << File:  
UAS.Reply.Counterclaims.pdf >>      << File: UAS.Order.Motion.Dismiss.4.9.08.pdf >>      << File:  
USA.2ndAmendedComplaint.pdf >>      << File: OTG.Answer.2nd.Amended.Complaint.pdf >>      << File:  
UAS.Reply.to.OTG.Counterclaims.pdf >>

Laura

*Laura Burns*  
Law Librarian for the Office of the General Counsel  
NASA Headquarters



b(6)

**From:** Burns, Laura (HQ-MA000)  
**Sent:** Thursday, October 02, 2008 2:37 PM  
**To:** McNutt, Jan (HQ-MC000)  
**Subject:** RE: UAS.vs.OTG

Hi Jan,

#147 had two documents which are attached.



147-2.pdf



147-1.pdf

*Laura Burns*

Law Librarian for the Office of the General Counsel  
NASA Headquarters

[Redacted signature block]

b(6)

---

**From:** McNutt, Jan (HQ-MC000)  
**Sent:** Thursday, October 02, 2008 11:31 AM  
**To:** Burns, Laura (HQ-MA000)  
**Subject:** RE: UAS.vs.OTG

Laura,

I guess I need No. 147 also..thanks.

-Jan

---

**From:** Burns, Laura (HQ-MA000)  
**Sent:** Wednesday, October 01, 2008 4:20 PM  
**To:** McNutt, Jan (HQ-MC000)  
**Subject:** RE: UAS.vs.OTG

The requested documents are attached.

<< File: OTG.148.pdf >> << File: OTG.129.pdf >> << File: OTG.131.pdf >> << File: OTG.132.pdf >> << File: OTG.136.pdf >> << File: OTG.144.pdf >> << File: OTG.146.pdf >>

*Laura Burns*

Law Librarian for the Office of the General Counsel  
NASA Headquarters

[Redacted signature block]

b(6)

02982

**From:** McNutt, Jan (HQ-MC000)  
**Sent:** Wednesday, October 01, 2008 3:55 PM  
**To:** Burns, Laura (HQ-MA000)  
**Subject:** RE: UAS.vs.OTG

Laura,

If you can, I'd like documents:

129, 131, 132, 136, 144, 146 and 148

Thanks,  
Jan

---

**From:** Burns, Laura (HQ-MA000)  
**Sent:** Wednesday, October 01, 2008 2:18 PM  
**To:** McNutt, Jan (HQ-MC000)  
**Subject:** RE: UAS.vs.OTG

Jan,

Attached is the update for the docket. Please let me know which documents you would like.

<< File: docket.update.pdf >>

Laura

*Laura Burns*

Law Librarian for the Office of the General Counsel  
NASA Headquarters

[Redacted signature block]

b(6)

---

**From:** McNutt, Jan (HQ-MC000)  
**Sent:** Wednesday, October 01, 2008 11:05 AM  
**To:** Burns, Laura (HQ-MA000)  
**Subject:** RE: UAS.vs.OTG

Laura,

Could you get an update on this case for me. I've included the last docket document you sent me for the case.

<< File: UAs vs OTG docket.pdf >>

Thanks,  
Jan

---

**From:** Burns, Laura (HQ-MA000)  
**Sent:** Friday, August 15, 2008 2:10 PM  
**To:** McNutt, Jan (HQ-MC000)  
**Subject:** UAS.vs.OTG

Jan,

Attached are some documents from the Universal case. Several of the documents were not available because they were sealed. If you have any questions, let me know.

<< File: UAs.vs.OTG.docket.pdf >>

<< File: OTG.Answer.to.UAS.Complaint.pdf >>      << File: OTG.Amended.Answer.pdf >>      << File:  
UAS.Reply.Counterclaims.pdf >>      << File: UAS.Order.Motion.Dismiss.4.9.08.pdf >>      << File:  
USA.2ndAmendedComplaint.pdf >>      << File: OTG.Answer.2nd.Amended.Complaint.pdf >>      << File:  
UAS.Reply.to.OTG.Counterclaims.pdf >>

Laura

*Laura Burns*

Law Librarian for the Office of the General Counsel  
NASA Headquarters

[REDACTED]

b(6)

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IN THE UNITED STATES DISTRICT COURT  
FOR THE DISTRICT OF ARIZONA

UNIVERSAL AVIONICS SYSTEMS  
CORPORATION,

Plaintiff,

vs.

OPTIMA TECHNOLOGY GROUP,  
INC., et al.,

Defendants.

OPTIMA TECHNOLOGY GROUP,  
INC., a Delaware corporation,

Counterclaimant,

vs.

UNIVERSAL AVIONICS SYSTEMS  
CORPORATION, an Arizona  
corporation,

Counterdefendant

No. 07-CV-00588-RC

**PROPOSED ORDER DISMISSING  
ALL CLAIMS WITH PREJUDICE**

Assigned to: Hon. Raner C. Collins

This Court having reviewed the parties Stipulation for Dismissal with Prejudice,  
and good cause appearing herein,

IT IS HEREBY ORDERED dismissing all claims and counterclaims in this action  
with prejudice.

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IT IS FURTHER ORDERED that each party shall be responsible for paying its own attorneys' fees and costs incurred this action.

DATED this \_\_\_ day of September, 2008.

---

Hon. Raner C. Collins  
United States District Court Judge

1 E. Jeffrey Walsh, (SBN 009334)  
2 GREENBERG TRAUIG, LLP  
3 2375 East Camelback Road  
4 Suite 700  
5 Phoenix, Arizona 85016  
6 Telephone: (602) 445-8000  
7 Facsimile: (602) 445-8100  
8 WalshJ@gtlaw.com

9 Scott J. Bornstein, BornsteinS@gtlaw.com  
10 Allan A. Kassenoff, KassenoffA@gtlaw.com  
11 GREENBERG TRAUIG, LLP  
12 200 Park Avenue, 34th Floor  
13 MetLife Building  
14 New York, NY 10166  
15 *Attorneys for Plaintiff*

16 Jeffrey Willis (SBN 004870)  
17 Robert Bernheim (SBN 024664)  
18 SNELL & WILMER LLP  
19 One South Church Avenue, Suite 1500  
20 Tucson, Arizona 85701-1630  
21 Telephone: (520) 882-1200  
22 Facsimile: (520) 884-1294  
23 *Attorneys for Defendants*

24 IN THE UNITED STATES DISTRICT COURT  
25 FOR THE DISTRICT OF ARIZONA

26 UNIVERSAL AVIONICS SYSTEMS  
27 CORPORATION,

28 Plaintiff,

vs.

OPTIMA TECHNOLOGY GROUP,  
INC., et al.,

Defendants

OPTIMA TECHNOLOGY GROUP,  
INC., a Delaware corporation,

Counterclaimant,

vs.

UNIVERSAL AVIONICS SYSTEMS  
CORPORATION, an Arizona  
corporation,

Counterdefendant

Case No. 07-CV-00588-RC

**STIPULATION FOR DISMISSAL  
WITH PREJUDICE**

Assigned to the Hon. Raner C. Collins

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Pursuant to Federal Rule of Civil Procedure 41(a)(1), Plaintiff/Counterdefendant Universal Avionics Systems Corporation (“Universal”), Defendant/Counterclaimant Optima Technology Group, Inc. (“Optima”), and Defendant Jed Margolin (“Margolin”), stipulate and agree that all claims and counterclaims asserted in this action should be dismissed with prejudice with each party to bear its own costs and attorneys’ fees. A proposed order of dismissal is submitted herewith.

DATED this 23rd day of September, 2008.

GREENBERG TRAURIG, LLP

SNELL & WILMER L.L.P.

By: s/Robert Bernheim with Permission  
E. Jeffrey Walsh  
GREENBERG TRAURIG, LLP  
Suite 700  
2375 East Camelback Road  
Phoenix, Arizona 85016  
Telephone: (602) 445-8000  
Facsimile: (602) 445-8100

By: s/Robert Bernheim  
Jeffrey Willis  
Robert Bernheim  
SNELL & WILMER L.L.P.  
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Telephone: (520) 882-1200  
Facsimile: (520) 884-1294  
*Attorneys for Defendants Optima  
Technology Group, Inc. and Jed  
Margolin*

Of Counsel:

Scott J. Bornstein  
Allan A. Kassenoff  
GREENBERG TRAURIG, LLP  
200 Park Avenue, 34th Floor  
MetLife Building  
New York, NY 10166  
*Attorneys for Plaintiff  
Universal Avionics Systems  
Corporation*

[REDACTED]

**From:** Robert Adams-OTG [REDACTED] **b(6)**  
**Sent:** Friday, October 03, 2008 8:18 AM  
**To:** McNutt, Jan (HQ-MC000)  
**Subject:** RE: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

Mr. McNutt,

Our company provided you're everything that had been requested by your counsel as all of that is legal and current, for you to say otherwise is nothing more than an attempt to delay the process and shall be brought up latter to the judge should this matter go to court.

Dr. Adams

---

**From:** McNutt, Jan (HQ-MC000) [mailto:jan.mcnutt@nasa.gov]  
**Sent:** Wednesday, October 01, 2008 7:58 AM  
**To:** Robert Adams-OTG  
**Subject:** RE: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

Dear Mr. Adams,

[REDACTED]

Regards,

**b(4)**

Jan S. McNutt  
Senior Attorney (Commercial)  
Office of the General Counsel  
NASA Headquarters

[REDACTED]  
[REDACTED] W  
[REDACTED] Washington, DC 20546  
[REDACTED]

**b(6)**

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---

**From:** Robert Adams-OTG [REDACTED] **b(6)**  
**Sent:** Tuesday, September 30, 2008 1:04 PM  
**To:** McNutt, Jan (HQ-MC000)  
**Subject:** FW: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

Sir,

Dr. Adams

b(4)

**From:** Robert Adams-OTG [REDACTED]  
**Sent:** Monday, August 25, 2008 3:48 PM  
**To:** 'McNutt, Jan (HQ-MC000)'; 'jan.mcnutt@nasa.gov'  
**Subject:** Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

b(6)

Sent via U.S. Mail with tracking number

Jan S. McNutt,

Please see the attached letter; it is your response to your most recent letter.

Thank you,

Dr. Robert Adams – CEO  
Optima Technology Group  
[REDACTED]

b(6)

Simply Smarter, Encryption & Aerospace Solutions since 1990! The information contained in this e-mail and any attachments are legally privileged and confidential. If you are not an intended recipient, you are hereby notified that any dissemination, any and all distribution or copying of this e-mail is strictly prohibited without the prior consent of Optima Technology Group (sender). If you have received this e-mail in error, please notify the sender and permanently delete the e-mail and any attachments immediately. You should not retain, copy or use this e-mail or any attachment for any purpose, nor disclose all or any part of the contents to any other person. Thank you.

02990

From: [REDACTED]  
Sent: Friday, October 03, 2008 5:13 PM  
To: Mike Abernathy  
Cc: McNutt, Jan (HQ-MC000); [REDACTED]  
Subject: RE: Optima Technology Group - Margolin Patents

b(6)

Hi Jan,

Richard Krukar, the guy that prepped the reexam request here.

Another issue we found is that Rapid Imaging Software (RIS) is not infringing either directly or indirectly.

...richard

On Fri, October 3, 2008 2:48 pm, Mike Abernathy wrote:

> Privileged and Confidential

>

>

>

>

> Dear Jan,

>

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>

> We will of course be happy to help however possible. Our company  
> prepared a request for re-examination of these patents based on prior  
> art and would have used it had OTG not gone away.

>

>

>

> These patents are defective because the invention is both obvious and  
> non-novel as evidenced by numerous printed published works. (We can  
> provide these references if needed). Ironically, they claim patent on  
> work already published by NASA over a decade earlier.

>

>

>

> The attached NASA technical publication by Shahan Serrafian, Simulator  
> Evaluation of a Remotely Piloted Vehicle Lateral Landing Task Using a  
> Visual Display, dates from 1984 and fully anticipates both Margolin  
> patents, and is referenced by neither one.

>

>

>

> [http://en.wikipedia.org/wiki/Highly Manueverable Aircraft Technology](http://en.wikipedia.org/wiki/Highly_Maneuverable_Aircraft_Technology)

>

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>

> In other words, OTG is attempting force NASA to pay for a patent  
> infringement on something that NASA in fact invented and published

03009

> more than a decade prior to the patent filing.

>  
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>

> Would Wednesday at 10AM MT be convenient for you?

>  
>  
>  
>

> Mike Abernathy

>  
>

> Rapid Imaging Software, Inc.

>  
>

> [Redacted]

> [Redacted]

b(6)

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>

> [www.landform.com](http://www.landform.com)

>  
>

> From: McNutt, Jan (HQ-MC000) [Redacted]

> Sent: Friday, October 03, 2008 1:37 PM

> To: [Redacted]

> Subject: Optima Technology Group - Margolin Patents

b(6)

>  
>  
>

> Dear Mr. Abernathy,

>  
>

> I am a new attorney working on Intellectual Property and Commercial  
> Law matters at NASA and have been assigned to handle a long  
> outstanding claim against the agency for patent infringement due to  
> NASA's collaboration with your company in the late 90s. Mr. Ed Fein  
> of the Johnson Space Center suggested I contact you to discuss the  
> infringement action brought against us by the Optima Technology Group  
> regarding a patent they own by the inventor Jed Margolin. I would  
> like to set up a conference next week sometime for this purpose.  
> Please let me know if you are inclined to speak with NASA on this and  
> if so, when would be a good time for you.

>  
>

> Regards,

>  
>

> Jan S. McNutt  
> Senior Attorney (Commercial)  
> Office of the General Counsel  
> NASA Headquarters

> [Redacted]

> [Redacted]

b(6)

03010



> [REDACTED]  
> [REDACTED]  
> [REDACTED]  
> [REDACTED]  
> [REDACTED]  
b(6)

03011

[REDACTED]

---

**From:** Benjamin W. Allison [REDACTED]  
**Sent:** Friday, October 03, 2008 5:46 PM  
**To:** Mike Abernathy; McNutt, Jan (HQ-MC000)  
**Cc:** krukar@olpatentlaw.com  
**Subject:** RE: Optima Technology Group - Margolin Patents

b(6)

Jan,

We're assisting RIS in the Optima matter as well, and I would like to participate in the call Wednesday. Let me know call-in information when you can.

Regards,

Ben

Benjamin Allison  
Sutin Thayer & Browne PC  
117 Park Street, Suite 200  
Boston, MA 02114

[REDACTED]

b(6)

---

**From:** Mike Abernathy [REDACTED]  
**Sent:** Friday, October 03, 2008 2:49 PM  
**To:** 'McNutt, Jan (HQ-MC000)'  
**Cc:** Benjamin W. Allison; [REDACTED]  
**Subject:** RE: Optima Technology Group - Margolin Patents

b(6)

Privileged and Confidential

Dear Jan,

We will of course be happy to help however possible. Our company prepared a request for re-examination of these patents based on prior art and would have used it had OTG not gone away.

These patents are defective because the invention is both obvious and non-novel as evidenced by numerous printed published works. (We can provide these references if needed). Ironically, they claim patent on work already published by NASA over a decade earlier.

The attached NASA technical publication by Shahan Serrafian, *Simulator Evaluation of a Remotely Piloted Vehicle Lateral Landing Task Using a Visual Display*, dates from 1984 and fully anticipates both Margolin patents, and is referenced by neither one.



[http://en.wikipedia.org/wiki/Highly\\_Maneuverable\\_Aircraft\\_Technology](http://en.wikipedia.org/wiki/Highly_Maneuverable_Aircraft_Technology)

In other words, OTG is attempting force NASA to pay for a patent infringement on something that NASA in fact invented and published more than a decade prior to the patent filing.

Would Wednesday at 10AM MT be convenient for you?


03012

Mike Abernathy  
Rapid Imaging Software, Inc.

  
  
[www.landform.com](http://www.landform.com)

b(6)

---

**From:** McNutt, Jan (HQ-MC000)   
**Sent:** Friday, October 03, 2008 1:37 PM  
**To:** mikea@landform.com  
**Subject:** Optima Technology Group - Margolin Patents

Dear Mr. Abernathy,

I am a new attorney working on Intellectual Property and Commercial Law matters at NASA and have been assigned to handle a long outstanding claim against the agency for patent infringement due to NASA's collaboration with your company in the late 90s. Mr. Ed Fein of the Johnson Space Center suggested I contact you to discuss the infringement action brought against us by the Optima Technology Group regarding a patent they own by the inventor Jed Margolin. I would like to set up a conference next week sometime for this purpose. Please let me know if you are inclined to speak with NASA on this and if so, when would be a good time for you.

Regards,

*Jan S. McNutt  
Senior Attorney (Commercial)  
Office of the General Counsel  
NASA Headquarters*

  
b(6)

03013

[REDACTED]  
**From:** McNutt, Jan (HQ-MC000)  
**Sent:** Tuesday, October 07, 2008 9:27 AM  
**To:** 'Mike Abernathy'  
**Cc:** [REDACTED] Rotella, Robert F. (HQ-MA000); Fein, Edward K. (JSC-AL)  
**Subject:** RE: patent

b(6)

Hello Mike,

b(6)

I've set up a telephone conference for 10:00 AM MT (12:00 PM EDT), Wednesday, October 15th. [REDACTED]  
[REDACTED] I think I have the time right. Please check this (Arizona??).

Mr. Bob Rotella from HQ and Mr. Ed Fein with JSC will be joining us.

Thanks and looking forward to talking to you.

Regards,  
Jan

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---

**From:** Mike Abernathy [mailto:[REDACTED]]  
**Sent:** Saturday, October 04, 2008 7:08 PM  
**To:** McNutt, Jan (HQ-MC000)  
**Cc:** [REDACTED]  
**Subject:** patent

b(6)

Privileged and confidential

Hi Jan,

Richard is quite correct to point out that we did not infringe. Our software license in fact prohibits this use of our software.

I have attached a claims chart regarding NASA research fully anticipating the patent, to help you become familiar with the patent in question. Please keep this information confidential for now.

Mike Abernathy  
Rapid Imaging Software, Inc.

[REDACTED]  
[REDACTED]  
[www.landform.com](http://www.landform.com)

b(6)

**From:** McNutt, Jan (HQ-MCO) [REDACTED]  
**Sent:** Friday, October 03, 2008 1:37 PM  
**To:** [REDACTED]  
**Subject:** Optima Technology Group - Margolin Patents

b(6)

Dear Mr. Abernathy,

I am a new attorney working on Intellectual Property and Commercial Law matters at NASA and have been assigned to handle a long outstanding claim against the agency for patent infringement due to NASA's collaboration with your company in the late 90s. Mr. Ed Fein of the Johnson Space Center suggested I contact you to discuss the infringement action brought against us by the Optima Technology Group regarding a patent they own by the inventor Jed Margolin. I would like to set up a conference next week sometime for this purpose. Please let me know if you are inclined to speak with NASA on this and if so, when would be a good time for you.

Regards,

Jan S. McNutt  
Senior Attorney (Commercial)  
Office of the General Counsel  
NASA Headquarters

[REDACTED]  
[REDACTED]  
[REDACTED]

b(6)

[REDACTED]

From: [REDACTED] *b(6)*  
Sent: Wednesday, October 08, 2008 12:59 PM  
To: McNutt, Jan (HQ-MC000)  
Cc: Rotella, Robert F. (HQ-MA000); Fein, Edward K. (JSC-AL)  
Subject: RE: patent

It was a pleasure to hear your viewpoints on the Margolin patent. I'm just shooting a side email to mention how thankful I am for NASA's work over the last 50 years and for how much of it is searchable online. I've actually used some NASA reports from the '60s (Apollo program) in filing a reexamination request for another client.

all for now  
Richard Krukar  
Ortiz and Lopez, PLLC

03110

[REDACTED]

b(6)

**From:** Benjamin W. Allison [REDACTED]  
**Sent:** Wednesday, October 08, 2008 1:28 PM  
**To:** McNutt, Jan (HQ-MC000); Rotella, Robert F. (HQ-MA000); Fein, Edward K. (JSC-AL)  
**Cc:** Mike Abernathy [REDACTED]; Geraldine M. Romero  
**Subject:** Optima  
**Attachments:** -OT8P000F.PDF

Jan, Bob, and Ed,

It was a pleasure talking this morning. Attached is a copy of our response on behalf of RIS to Optima's demand letter, as we discussed. Mike will be contacting you shortly and providing our reexam materials. Let us know if we can help in any other way.

Regards,

Ben

Benjamin Allison  
Sutin Thayer & Browne PC

[REDACTED]

b(6)

# SUTIN THAYER & BROWNE

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LEWIS R. SUTIN (1908-1992)  
FRANKLIN JONES (1919-1994)  
RAYMOND W. SCHOWERS (1948-1995)  
GRAHAM BROWNE (1935-2003)  
BENJAMIN ALLISON  
C. SHANNON BACON  
PAUL BARDACKE  
CHRISTINA BISSIAS  
ANNE P. BROWNE  
SUZANNE WOOD BRUCKNER  
CRISTY J. CARBON-GAUL  
MARK CHAKEN  
SUSAN G. CHAPPELL  
GERMAINE R. CHAPPELLE  
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SAUL COHEN

MICHAEL J. GOLDEN  
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ANDREW J. SIMONS  
JEANNE Y. SOHN  
MICHAEL G. SUTIN  
NORMAN S. THAYER  
BENJAMIN E. THOMAS  
ROBERT J. WERNER  
CHRISTINA S. WEST

October 13, 2006

Robert Adams, CEO  
Optima Technology Group  
2222-1830 Michelson Dr.  
Irvine, CA 92612

Margolin Patent Nos. 5,566,073 and  
5,904,724

Dear Mr. Adams:

We represent Rapid Imaging Software, Inc. (RIS), which has referred to us your letter of September 19, 2006. At the outset, we are unable to discern that Optima has an interest in the patents it attempts to assert. Assuming that it does, however, and has merely neglected to record its interests, RIS does not infringe the Margolin patents.

As you know, RIS creates computer software, and does not use or manufacture UAV systems or ground control stations. RIS software is used in UAVs to provide situation awareness for sensor operators. It is not used for piloting air vehicles. The sensor operator does not pilot the aircraft, and instead sits at a separate workstation operating a payload containing one or more cameras, which may be controlled using a joystick to point the camera package during search or tracking operations.

As you know, RIS refuses to allow its products to be used as a pilot aid, and RIS product licenses specifically prohibit use for piloting. None of RIS's customers use its software for piloting, for very good reason. Serious military regulations control placement of anything—synthetic vision included—on a pilot workstation. Before anything can be placed on the display in front of a pilot, it has to have met stringent criteria (MIL-STD 1787C, DO-178B, etc.), it must have been thoroughly ground tested, and it must have been fully flight tested. RIS software has never been through this process, and thus is prohibited from use for piloting. Accordingly, UAV manufacturers have purchased RIS products for use on the sensor operator console, but none for the pilot console. This is a matter of Army doctrine and applies to Shadow, Warrior and Hunter.



**SUTIN THAYER ▼ BROWNE**  
A PROFESSIONAL CORPORATION  
LAWYERS

Robert Adams, CEO  
October 13, 2006  
Page 2

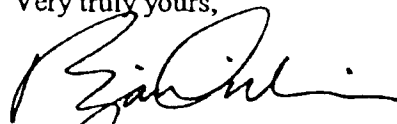
Nor does RIS have its software in a form that would make it marketable for piloting. RIS software products are all based on the Microsoft Windows operating system. This offers many advantages, but is inappropriate to piloting aircraft because it is not a POSIX compliant real-time operating system. POSIX compliance is required by flight safety regulations. To create such a version would entail a one- to two-year conversion program in which RIS has not invested.

It is important to realize that the market for RIS products is quite different from the relaxed civilian world. If a military pilot chose to use synthetic vision in spite of military regulations or in defiance of a software license agreement, his career would be damaged or destroyed. Military pilots cherish their wings and would not consider risking them on something like synthetic version.

Finally, it appears from your correspondence that you regard research activities like NASA's X-38 prototypes (before the program was cancelled in 2002) as infringing the Margolin patents. This was not the case because of the claim limitations of the Margolin patents. However all RIS work for government agencies, including NASA, was authorized and consented to by the U.S. Government, and is protected under 28 U.S.C. § 1498(a). As you are aware, any remedies you may have are against the government and are circumscribed by that statute and related law.

Although we need not discuss the invalidity of the Margolin patents given the above circumstances, you should be aware that both patents were anticipated by profound prior art dating back to 1977. If it should ever become necessary, we are confident that both would be held invalid.

Very truly yours,



Benjamin Allison  
Santa Fe Office

BA:gmr  
Enclosures  
841473

cc: Mike Abernathy

**From:** McNutt, Jan (HQ-MC000)  
**Sent:** Wednesday, October 08, 2008 2:30 PM  
**To:** 'Mike Abernathy'  
**Cc:** [REDACTED] Rotella, Robert F. (HQ-MA000); Fein, Edward K. (JSC-AL)  
**Subject:** RE: patent

b7d

Hi Mike,

I'm sorry we were cut off earlier when you called. I must have pushed the wrong button when I put on my headset.

Thank you also for taking the time and effort and to allow us to benefit from your years of dealing with this technology. A quick look confirms that I have received all the attachments that you sent, so we will spend a little time looking them over. It's nice to know NASA technology has been of such benefit for all of you. NASA tries hard to make technology available to the world without restrictions unless absolutely necessary. In fact, my main job is to assist the efforts of technology transfer, rather than have it locked up in our agency. See: <http://www.ipp.nasa.gov/>.

I will let you know the development of this in as much as I can. Hopefully, we will find a solution that everyone can share in.

Regards,  
Jan

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---

**From:** Mike Abernathy [REDACTED]  
**Sent:** Wednesday, October 08, 2008 1:29 PM  
**To:** McNutt, Jan (HQ-MC000)  
**Cc:** [REDACTED] Rotella, Robert F. (HQ-MA000); Fein, Edward K. (JSC-AL)  
**Subject:** RE: patent

Privileged and confidential

b7c

Dear Jan,

After speaking with Richard and Ben RIS, Inc. has decided to honor your request to provide NASA with our research regarding the subject patent.

We sincerely appreciate your interest in protecting NASA's important published work in synthetic vision research for the benefit of the American people.

I will begin forwarding the subject research papers and Richard's claims charts in several emails.

Mike Abernathy  
Rapid Imaging Software, Inc.

03592

[Redacted]  
www.landform.com

b(4)

**From:** McNutt, Jan (HQ-MC000) [Redacted]  
**Sent:** Tuesday, October 07, 2008 7:27 AM  
**To:** Mike Abernathy  
**Cc:** [Redacted] Rotella, Robert F. (HQ-MA000); Fein, Edward K. (JSC-AL)  
**Subject:** RE: patent

Hello Mike,

I've set up a telephone conference for 10:00 AM MT (12:00 PM EDT), Wednesday, October 15th. [Redacted] I think I have the time right. Please check this (Arizona?).

Mr. Bob Rotella from HQ and Mr. Ed Fein with JSC will be joining us.

b(6)

Thanks and looking forward to talking to you.

Regards,  
Jan

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**From:** Mike Abernathy [Redacted]  
**Sent:** Saturday, October 04, 2008 7:08 PM  
**To:** McNutt, Jan (HQ-MC000)  
**Cc:** [Redacted]  
**Subject:** patent

b(6)

Privileged and confidential

Hi Jan,

Richard is quite correct to point out that we did not infringe. Our software license in fact prohibits this use of our software.

I have attached a claims chart regarding NASA research fully anticipating the patent, to help you become familiar with the patent in question. Please keep this information confidential for now.

Mike Abernathy  
Rapid Imaging Software, Inc.

[Redacted]  
www.landform.com

b(6)

**From:** McNutt, Jan (HQ-MC000) [REDACTED]  
**Sent:** Friday, October 03, 2008 1:37 PM  
**To:** mikea@landform.com  
**Subject:** Optima Technology Group - Margolin Patents

Dear Mr. Abernathy,

I am a new attorney working on Intellectual Property and Commercial Law matters at NASA and have been assigned to handle a long outstanding claim against the agency for patent infringement due to NASA's collaboration with your company in the late 90s. Mr. Ed Fein of the Johnson Space Center suggested I contact you to discuss the infringement action brought against us by the Optima Technology Group regarding a patent they own by the inventor Jed Margolin. I would like to set up a conference next week sometime for this purpose. Please let me know if you are inclined to speak with NASA on this and if so, when would be a good time for you.

Regards,

Jan S. McNutt  
Senior Attorney (Commercial)  
Office of the General Counsel  
NASA Headquarters

[REDACTED]  
[REDACTED]  
[REDACTED]

b(6)

03594

[REDACTED]

**From:** Mike Abernathy [REDACTED] **b(6)**  
**Sent:** Wednesday, October 08, 2008 4:18 PM  
**To:** McNutt, Jan (HQ-MC000)  
**Cc:** [REDACTED] Rotella, Robert F. (HQ-MA000); Fein, Edward K. (JSC-AL)  
**Subject:** draft article  
**Attachments:** REVISED AUVS\column v5 clean.doc

Hi All,

The attached article is one written by myself and Dr. Mark Draper and Gloria Calhoun of the Air Force Research Lab about the history of synthetic vision naturally with particular focus on the USAF and with an eye toward UAVs. This is a draft technical journal article which has not yet been published, but which will be submitted for publication in the near future as soon as it is approved through AFRL channels.

I am sending it to you because it tells the story of how NASA and USAF developed this powerful technology called synthetic vision. The article is entitled "*Synthetic Vision Technology for Unmanned Aerial Vehicles: Historical Examples and Current Emphasis*". I hope you find it interesting and useful.

Mike Abernathy  
Rapid Imaging Software, Inc.

[REDACTED]  
www.landform.com

**b(6)**

---

**From:** McNutt, Jan (HQ-MC000) [REDACTED] **b(6)**  
**Sent:** Wednesday, October 08, 2008 12:30 PM  
**To:** Mike Abernathy  
**Cc:** [REDACTED] Rotella, Robert F. (HQ-MA000); Fein, Edward K. (JSC-AL)  
**Subject:** RE: patent

Hi Mike,

I'm sorry we were cut off earlier when you called. I must have pushed the wrong button when I put on my headset.

Thank you also for taking the time and effort and to allow us to benefit from your years of dealing with this technology. A quick look confirms that I have received all the attachments that you sent, so we will spend a little time looking them over. It's nice to know NASA technology has been of such benefit for all of you. NASA tries hard to make technology available to the world without restrictions unless absolutely necessary. In fact, my main job is to assist the efforts of technology transfer, rather than have it locked up in our agency. See: <http://www.ipp.nasa.gov/>.

I will let you know the development of this in as much as I can. Hopefully, we will find a solution that everyone can share in.

Regards,  
Jan

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Rapid Imaging Software, Inc.

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[redacted]  
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*b(6)*

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**Subject:** patent

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Senior Attorney (Commercial)  
Office of the General Counsel  
NASA Headquarters

[REDACTED]  
[REDACTED]  
[REDACTED]

b(6)

[REDACTED]

---

**From:** Robert Adams-OTG [REDACTED] b(6)  
**Sent:** Tuesday, March 10, 2009 8:11 AM  
**To:** McNutt, Jan (HQ-MC000)  
**Subject:** RE: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

10MAR09

Jan,

Can you please provide me an update as to this matter?

Dr. Adams

---

**From:** McNutt, Jan (HQ-MC000) [mailto:[REDACTED]] b(6)  
**Sent:** Friday, February 20, 2009 2:07 PM  
**To:** Robert Adams-OTG  
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Dr. Adams,

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Jan S. McNutt  
Senior Attorney (Commercial)

[REDACTED] b(6)

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**From:** Robert Adams-OTG [mailto:[REDACTED]]  
**Sent:** Thursday, February 12, 2009 5:35 PM  
**To:** McNutt, Jan (HQ-MC000)  
**Subject:** RE: Jan S. McNutt; Please see the attached letter; it is your response to your most recent letter.

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Can you please provide me a status as to the resolve regarding the issues between our two companies'?



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Thank you,

Robert

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**Sent:** Thursday, January 22, 2009 1:16 PM  
**To:** Robert Adams-OTG  
**Subject:** RE: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

Dr. Adams,

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Regards,

Jan S. McNutt  
Senior Attorney (Commercial)  
[REDACTED] b(6)

---

**From:** Robert Adams-OTG [mailto: [REDACTED] b(6)]  
**Sent:** Saturday, December 27, 2008 7:27 PM  
**To:** McNutt, Jan (HQ-MC000)  
**Subject:** FW: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

Mr. McNutt,

b(4) [REDACTED]

I will advise you that a lack of response or no response could be a violation of Rule 11, thus your continued delay tactics could allow us to move forward and ask the court to impose an appropriate sanction.

Dr. Adams

---

**From:** Robert Adams-OTG [mailto: [REDACTED] b(6)]  
**Sent:** Friday, October 03, 2008 5:18 AM  
**To:** 'McNutt, Jan (HQ-MC000)'  
**Subject:** RE: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

Mr. McNutt,

Our company provided you're everything that had been requested by your counsel as all of that is legal and current, for you to say otherwise is nothing more than an attempt to delay the process and shall be brought up latter to the judge should this matter go to court.

Dr. Adams

**From:** McNutt, Jan (HQ-MC000) [mailto: [REDACTED] b(6)]  
**Sent:** Wednesday, October 01, 2008 7:58 AM  
**To:** Robert Adams-OTG  
**Subject:** RE: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

Dear Mr. Adams,

b(4)

[REDACTED]  
[REDACTED] We trust that you have forwarded our letter of August 20, 2008 to your attorney Mr. Larry Oliverio and anticipate that he will be responding to the more detailed and also more current information we requested in that letter.

Regards,

Jan S. McNutt  
Senior Attorney (Commercial)  
Office of the General Counsel  
NASA Headquarters

[REDACTED]  
[REDACTED]  
[REDACTED]

b(6)

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---

**From:** Robert Adams-OTG [mailto: [REDACTED] b(6)]  
**Sent:** Tuesday, September 30, 2008 1:04 PM  
**To:** McNutt, Jan (HQ-MC000)  
**Subject:** FW: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

Sir,

b(4)

[REDACTED]  
Dr. Adams

---

**From:** Robert Adams-OTG [mailto: [REDACTED] b(6)]  
**Sent:** Monday, August 25, 2008 3:48 PM  
**To:** 'McNutt, Jan (HQ-MC000)'; 'jan.mcnutt@nasa.gov'  
**Subject:** Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

Sent via U.S. Mail with tracking number

Jan S. McNutt,

Please see the attached letter; it is your response to your most recent letter.

Thank you,

Dr. Robert Adams – CEO  
Optima Technology Group

 Phone  
 Fax

b(6)

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**From:** Mcnutt, Jan (HQ-MC000)  
**Sent:** Thursday, April 16, 2009 11:48 AM  
**To:** Robert Adams-OTG  
**Subject:** RE: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.  
**Attachments:** Optima Claim Response Letter.pdf

Dr. Adams,

Please refer to the attached document.

Please respond to this email that you have received the attached document.

Regards,

*Jan S. McNutt  
Senior Attorney (Commercial)  
Office of the General Counsel  
NASA Headquarters*

[Redacted]

b(6)

---

**From:** Robert Adams-OTG [mailto:[Redacted]] b(6)  
**Sent:** Thursday, April 16, 2009 11:05 AM  
**To:** Mcnutt, Jan (HQ-MC000)  
**Subject:** FW: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

16APR09

Jan,

Can you please provide me an update as to this matter?

Dr. Adams

---

**From:** Robert Adams-OTG [mailto:[Redacted]] b(6)  
**Sent:** Tuesday, March 10, 2009 8:11 AM  
**To:** 'McNutt, Jan (HQ-MC000)'  
**Subject:** RE: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

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Dr. Adams

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Senior Attorney (Commercial)

[Redacted]

b(6)

---

**From:** Robert Adams-OTG [mailto:radams@optimatechnologygroup.com]  
**Sent:** Saturday, December 27, 2008 7:27 PM  
**To:** McNutt, Jan (HQ-MC000)  
**Subject:** FW: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

Mr. McNutt,

[Redacted]

b(4)

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**Sent:** Friday, October 03, 2008 5:18 AM  
**To:** 'McNutt, Jan (HQ-MC000)'  
**Subject:** RE: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

b(6)

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Office of the General Counsel  
NASA Headquarters

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[REDACTED]

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b(4)

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**Sent:** Thursday, April 16, 2009 1:41 PM  
**To:** Mcnutt, Jan (HQ-MC000)  
**Subject:** RE: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

Jan,

That only shows that you attempted to send something, it does not show that nor prove that you attempted to send said items that we received only today.

Dr. Adams

[REDACTED]

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**From:** Mcnutt, Jan (HQ-MC000) [mailto:[REDACTED]] b(6)  
**Sent:** Thursday, April 16, 2009 1:34 PM  
**To:** Robert Adams-OTG  
**Subject:** RE: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

Dr. Adams,

Thank you for acknowledging receipt. We were unaware that you had not received the letter until we received your email today. I have attached the tracking information we retrieved from the US Postal Service showing that we did attempt delivery.

Regards,  
Jan McNutt

**From:** Robert Adams-OTG [mailto: [REDACTED] b(6)]  
**Sent:** Thursday, April 16, 2009 12:05 PM  
**To:** Mcnutt, Jan (HQ-MC000)  
**Subject:** RE: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

Jan,

As of today we are in receipt of said documents you just sent us and have never received them nor viewed them till today.

Dr. Adams

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**From:** Mcnutt, Jan (HQ-MC000) [mailto: [REDACTED] b(6)]  
**Sent:** Thursday, April 16, 2009 11:48 AM  
**To:** Robert Adams-OTG  
**Subject:** RE: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

Dr. Adams,

Please refer to the attached document.

Please respond to this email that you have received the attached document.

Regards,

*Jan S. McNutt  
Senior Attorney (Commercial)  
Office of the General Counsel  
NASA Headquarters*

[REDACTED] b(6)

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**From:** Robert Adams-OTG [mailto: [REDACTED] b(6)]  
**Sent:** Thursday, April 16, 2009 11:05 AM  
**To:** Mcnutt, Jan (HQ-MC000)  
**Subject:** FW: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

16APR09

Jan,

Can you please provide me an update as to this matter?

Dr. Adams

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**From:** Robert Adams-OTG [mailto: [REDACTED] b(6)]  
**Sent:** Tuesday, March 10, 2009 8:11 AM

To: McNutt, Jan (HQ-MC000)

**Subject:** RE: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

10MAR09

Jan,

Can you please provide me an update as to this matter?

Dr. Adams

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**From:** McNutt, Jan (HQ-MC000) [mailto: [REDACTED] b(6)]

**Sent:** Friday, February 20, 2009 2:07 PM

**To:** Robert Adams-OTG

**Subject:** RE: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

Dr. Adams,

Thank you for your email concerning the new licensees and thank you for your patience. We are awaiting for one final communication from one of our sources that will allow us to come to a final decision and that source has indicated they are working to get us an answer by next week.

Regards,

Jan S. McNutt  
Senior Attorney (Commercial)

[REDACTED] b(6)

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**From:** Robert Adams-OTG [mailto: [REDACTED] b(6)]

**Sent:** Thursday, February 12, 2009 5:35 PM

**To:** McNutt, Jan (HQ-MC000)

**Subject:** RE: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

Jan,

We have now licensed Cobham the parent company of Chelton Flight System and expect to wrap up a license for Rockwell in the coming weeks.

Attached you will find the voicemail from Cobham's attorney that concluded a yearlong drawn out process; as I write this letter we await the signed hard copies in the mail.

We shall be filing in Federal Court against Garmin in the coming months as they are the last one who is being definite due to their bad advice from a money hungry attorney.

Can you please provide me a status as to the resolve regarding the issues between our two companies'?

With the recent new licensee's I remain optimistic that this business matter can be resolved peacefully between our two companies.

Thank you,

Robert

**From:** McNutt, Jan (HQ-MC000) [mailto: [REDACTED] b(6)]  
**Sent:** Thursday, January 22, 2009 1:16 PM  
**To:** Robert Adams-OTG  
**Subject:** RE: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

Dr. Adams,

We are close to a decision on this matter. I will inform you of our progress (possibly decision) in the next couple of weeks.

Regards,

Jan S. McNutt  
Senior Attorney (Commercial)  
[REDACTED] b(6)

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**From:** Robert Adams-OTG [mailto: [REDACTED] b(6)]  
**Sent:** Saturday, December 27, 2008 7:27 PM  
**To:** McNutt, Jan (HQ-MC000)  
**Subject:** FW: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

Mr. McNutt,

b(4) [REDACTED]

I will advise you that a lack of response or no response could be a violation of Rule 11, thus your continued delay tactics could allow us to move forward and ask the court to impose an appropriate sanction.

Dr. Adams

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**From:** Robert Adams-OTG [mailto: [REDACTED] b(6)]  
**Sent:** Friday, October 03, 2008 5:18 AM  
**To:** 'McNutt, Jan (HQ-MC000)'  
**Subject:** RE: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

Mr. McNutt,

Our company provided you're everything that had been requested by your counsel as all of that is legal and current, for you to say otherwise is nothing more than an attempt to delay the process and shall be brought up latter to the judge should this matter go to court.

Dr. Adams

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**From:** McNutt, Jan (HQ-MC000) [mailto: [REDACTED] b(6)]  
**Sent:** Wednesday, October 01, 2008 7:58 AM  
**To:** Robert Adams-OTG  
**Subject:** RE: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

Dear Mr. Adams,

b(4)

[Redacted]

We trust that you have forwarded our letter of August 20, 2008 to your attorney Mr. Larry Oliverio and anticipate that he will be responding to the more detailed and also more current information we requested in that letter.

Regards,

Jan S. McNutt  
Senior Attorney (Commercial)  
Office of the General Counsel  
NASA Headquarters

[Redacted]

b(6)

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**From:** Robert Adams-OTG [mailto:[Redacted]]  
**Sent:** Tuesday, September 30, 2008 1:04 PM  
**To:** McNutt, Jan (HQ-MC000)  
**Subject:** FW: Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

b(6)

Sir,

b(4)

[Redacted]

Dr. Adams

**From:** Robert Adams-OTG [mailto:[Redacted]]  
**Sent:** Monday, August 25, 2008 3:48 PM  
**To:** 'McNutt, Jan (HQ-MC000)'; [Redacted]  
**Subject:** Jan S. McNutt, Please see the attached letter; it is your response to your most recent letter.

b(6)

Sent via U.S. Mail with tracking number

Jan S. McNutt,

Please see the attached letter; it is your response to your most recent letter.

Thank you,

Dr. Robert Adams – CEO



Optima Technology Group

Phone

Fax

b(6)

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