

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM608592

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Manufacturers and Traders Trust Company		11/12/2020	Corporation: NEW YORK
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	Analytical Graphics, Inc.		
<b>Street Address:</b>	220 Valley Creek Boulevard		
<b>City:</b>	Exton		
<b>State/Country:</b>	PENNSYLVANIA		
<b>Postal Code:</b>	19341		
<b>Entity Type:</b>	Corporation: PENNSYLVANIA		
<b>PROPERTY NUMBERS Total: 8</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Registration Number:</b>	3413624	4D ANALYST	
<b>Registration Number:</b>	2190735	CAT	
<b>Registration Number:</b>	2183150	CLOSE APPROACH TOOL	
<b>Registration Number:</b>	3736744	INSIGHT3D	
<b>Registration Number:</b>	2244063	SATELLITE TOOL KIT	
<b>Registration Number:</b>	2323113	STK	
<b>Registration Number:</b>	2470247	STK/ASTROGATOR	
<b>Registration Number:</b>	1738121	STK SATELLITE TOOL KIT	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	2156562498		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>			
<b>Phone:</b>	215-656-3381		
<b>Email:</b>	pto.phil@dlapiper.com		
<b>Correspondent Name:</b>	IP GROUP OF DLA PIPER LLP (US)		
<b>Address Line 1:</b>	ONE LIBERTY PLACE		
<b>Address Line 2:</b>	1650 MARKET ST. SUITE 5000		
<b>Address Line 4:</b>	PHILADELPHIA, PENNSYLVANIA 19103		
<b>NAME OF SUBMITTER:</b>	William L. Bartow		

CH \$215.00 3413624

<b>SIGNATURE:</b>	/williamlbartow/
<b>DATE SIGNED:</b>	11/13/2020
<b>Total Attachments: 12</b> source=AIG_Confirmation of Release#page1.tif source=AIG_Confirmation of Release#page2.tif source=AIG_Confirmation of Release#page3.tif source=AIG_Confirmation of Release#page4.tif source=AIG_Confirmation of Release#page5.tif source=AIG_Confirmation of Release#page6.tif source=AIG_Confirmation of Release#page7.tif source=AIG_Confirmation of Release#page8.tif source=AIG_Confirmation of Release#page9.tif source=AIG_Confirmation of Release#page10.tif source=AIG_Confirmation of Release#page11.tif source=AIG_Confirmation of Release#page12.tif	

## Confirmation of Release of Intellectual Property Security Interest

This **Confirmation of Release of Intellectual Property Security Interest** (the “IP Release”), dated as of November 12, 2020 and effective nunc pro tunc as of May 19, 2011 (the “Effective Date”), is made by **ANALYTICAL GRAPHICS, INC.**, a Pennsylvania corporation (the “Borrower”).

**WHEREAS**, pursuant to the terms of (i) those certain Security Agreement and Intellectual Property Security Agreement between Borrower and **MANUFACTURERS AND TRADERS TRUST COMPANY**, a New York banking corporation (the “Secured Party”), each dated as of January 21, 2005 (as amended and/or supplemented from time to time, collectively the “Security Agreements”), (ii) those certain Notices of Security Interest in U.S. Trademark Properties between Borrower and Secured Party, dated as of January 21, 2005 and October 2, 2009 (as amended and/or supplemented from time to time, collectively, the “Trademark Security Agreements”), (iii) those certain Notices of Security Interest in U.S. Patents between Borrower and Secured Party, dated as of January 21, 2005, July 24, 2006 and October 2, 2009 (as amended and/or supplemented from time to time, collectively, the “Patent Security Agreements”, and (iv) that certain Notice of Security Interest in U.S. Copyright Properties between Borrower and Secured Party, dated as of January 21, 2005 (as amended and/or supplemented from time to time, collectively, the “Copyright Security Agreement,” and collectively with the Security Agreements, the Trademark Security Agreements and the Patent Security Agreements, the “Loan Documents”), the Borrower has granted to Secured Party a security interest in all of Borrower’s right, title and interest, whether presently existing or thereafter acquired, in, to and under Borrower’s intellectual property, including those patent, trademark and copyright registrations and applications set forth on Exhibit A, attached hereto (the “Intellectual Property”).

**WHEREAS**, the Trademark Security Agreements were recorded with the United States Patent and Trademark Office on January 21, 2005 at trademark assignment Reel 3023, Frame 0895 and on October 2, 2009 at trademark assignment Reel 4075, Frame 0853.

**WHEREAS**, the Patent Security Agreements were recorded with the United States Patent and Trademark Office on January 21, 2005 at patent assignment Reel 015661, Frame 0536, on July 24, 2006 at patent assignment Reel 018061, Frame 0784, and on October 2, 2009 at patent assignment Reel 023348, Frame 0274, and Reel 023349, Frame 0441.

**WHEREAS**, the Copyright Security Agreement was recorded with the United States Copyright Office on February 16, 2005 at Document No. V3521D002.

**WHEREAS**, pursuant to that certain Letter Agreement between Borrower and Secured Party, dated May 19, 2011 (the “Payoff Letter”), a copy of which is attached here as Exhibit B, Borrower and Secured Party confirmed that, as of May 19, 2011, the Obligations (as defined in the Payoff Letter) from Borrower to Secured Party under the Loan Documents shall be paid and discharged in full, other than Continuing Obligations (as defined in the Payoff Letter) and all security interest and other liens of every type at any time granted to or held by Secured Party as security for the Obligations shall be terminated.

**WHEREAS**, pursuant to the Payoff Letter and effective as of the Effective Date, Borrower wishes to confirm that all liens and security interests in the Released Collateral (as defined below) has been released and terminated in full by Secured Party.

**NOW, THEREFORE**, for good and valuable consideration, Borrower hereby confirms the following:

1. Defined Terms. Unless otherwise defined herein, capitalized terms defined in the Loan Documents and used herein have the meaning given to them in the applicable Loan Document.

2. Confirmation of Release of Security Interest. Borrower hereby verifies and confirms that all liens and security interest in and to Borrower's Intellectual Property, including without limitation, those patents, trademarks and copyrights listed on Exhibit A hereto, including all registrations, applications, and renewals in connection therewith, all goodwill associated with the foregoing, and including without limitation, all proceeds thereof (such as license royalties and proceeds of infringement suits), the right to sue for past, present and future infringements, all rights corresponding thereto throughout the world and all re-issues, divisions, continuations, renewals, extensions and continuations-in-part thereof, whether now owned or existing or hereafter acquired or arising (collectively referred to herein as the "Released Collateral"), has been terminated, released and discharged in full by Secured Party as of the Effective Date.

3. Further Assurances. Borrower hereby authorizes this IP Release to be recorded with the USPTO, US Copyright Office, and UCC financing statement amendments to be filed with the applicable filing office in order to memorialize the release of the security interest of the Secured Party in the Released Collateral, and/or this IP Release to be recorded in the applicable foreign or domestic governmental office or agency.

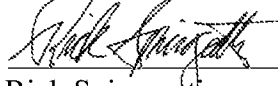
4. Severability. Each provision of this IP Release will be interpreted in such a manner as to be effective and valid under applicable law, but if any term or other provision of this IP Release is held to be invalid, illegal or unenforceable under applicable law, all other provisions of this IP Release shall remain in full force and effect.

**[Remainder of page intentionally left blank]**

**IN WITNESS WHEREOF**, the Borrower hereby confirms the termination and release of the security interest in the Released Collateral as of the Effective Date.

**BORROWER:**

**ANALYTICAL GRAPHICS, INC.**

By: \_\_\_\_\_

Name: Rick Spinogatti

Title: Vice President – Finance and Administration

**EXHIBIT A**

**U.S. Patents**

<b>Title</b>	<b>U.S. Patent Number</b>	<b>Grant Date</b>	<b>Manufacturers and Traders Trust Company Security Interest and Reel/Frame No.</b>
METHOD AND APPARATUS FOR ORBIT DETERMINATION	6,708,116	2004-03-16	Recorded at 015661/0536 (executed 2005-01-21)
GPS CARRIER PHASE MEASUREMENT REPRESENTATION AND METHOD OF USE	7,050,002	2006-05-23	Recorded at 018061/0784 (executed 2006-07-24)
METHOD FOR REFINING STATE ESTIMATES OF A GLOBAL POSITIONING SYSTEM (GPS) RECEIVER BASED UPON SEQUENTIAL GPS CARRIER PHASE MEASUREMENTS	7,423,583	2008-09-09	Recorded at 023348/0274 (executed 2009-10-02)
SYSTEM AND METHOD FOR VISUALIZATION OF ATTITUDE AND ATTITUDE/POSITION DEPENDENT DATA	7,224,311	2007-05-29	Recorded at 023348/0274 (executed 2009-10-02)
METHOD FOR DETERMINING MAXIMUM CONJUNCTION PROBABILITY OF RECTANGULAR-SHAPED OBJECTS	7,383,153	2008-06-03	Recorded at 023348/0274 (executed 2009-10-02)
METHOD FOR VISUALIZING DATA CLOUDS USING COLOR AND OPACITY BLENDING	7,928,980	2011-04-19	Recorded at 023348/0274 (executed 2009-10-02)
VISUALIZATION OF FIELD OF VIEW CONSTRAINTS	7,609,907	2009-10-27	Recorded at 023348/0274 (executed 2009-10-02)
SYSTEM AND METHOD OF ADDRESSING NONLINEAR RELATIVE MOTION FOR COLLISION PROBABILITY USING PARALLELEPIPEDS	8,041,509	2011-10-18	Recorded at 023349/0441 (executed 2009-10-02)
SYSTEM AND METHOD FOR AIRCRAFT MISSION MODELING	8,221,122	2012-07-17	Recorded at 023349/0441 (executed 2009-10-02)
NONLINEAR VARIABLE LAG SMOOTHER	8,433,544	2013-04-30	Recorded at 023349/0441 (executed 2009-10-02)

**U.S. Trademarks**

<b>Mark</b>	<b>U.S. Trademark Registration No.</b>	<b>Registration Date</b>	<b>Manufacturers and Traders Trust Company Security Interest and Reel/Frame No.</b>
4D ANALYST	3413624	2008-04-15	Recorded at 4075/0853 (executed 2009-10-02)
CAT	2190735	1998-09-22	Recorded at 3023/0895 (executed 2005-01-21)
CLOSE APPROACH TOOL	2183150	1998-08-18	Recorded at 3023/0895 (executed 2005-01-21)
INSIGHT3D	3736744	2010-01-12	Recorded at 4075/0853 (executed 2009-10-02)
SATELLITE TOOL KIT	2244063	1999-05-04	Recorded at 3023/0895 (executed 2005-01-21)
STK	2323113	2000-02-29	Recorded at 3023/0895 (executed 2005-01-21)
STK/ASTROGATOR	2470247	2001-07-17	Recorded at 3023/0895 (executed 2005-01-21)
STK SATELITE TOOL KIT	1738121	1992-12-08	Recorded at 3023/0895 (executed 2005-01-21)

## U.S Copyrights

### List of titles:

- 001 Satellite tool kit user's manual: version 2.1 for engineering workstations / By Analytical Graphics, Inc. TX 4-122-250.
- 002 Satellite tool kit/programmer's library (STK/PL) programmer's guide: version 2.1 / By Analytical Graphics, Inc. TX 4-139-732.
- 003 Satellite tool kit: version 2.1 / By Analytical Graphics, Inc. TX 4-139-752.
- 004 Satellite tool kit: programmer's library (STK/PL): version 2.1 / By Analytical Graphics, Inc. TX 4-139-753.
- 005 Satellite tool kit (STK) tutorial: version 2.1 / By Analytical Graphics, Inc. TX 4-140-227.
- 006 Satellite tool kit/programmer's library (STK/PL): programmer's reference / By Analytical Graphics, Inc. TX 4-141-385.
- 007 STK/GIS: user's manual: provides data exchange between GIS industry software and STK, allowing you to design, analyze, and create STK and GIS objects quickly and easily: version 1.0 for Windows 95/NT / By Analytical Graphics, Inc. TX 4-258-554.
- 011 STK/VO user's manual: version 3.0 for engineering workstations / By Analytical Graphics, Inc. TX 4-845-764.
- 008 Satellite tool kit version 4.0.1 / By Analytical Graphics, Inc. TX 4-258-554.
- 009 Satellite tool kit version 4.0 / By Analytical Graphics, Inc. TX 4-819-010.
- 010 Satellite tool kit version 4.0.3 / By Analytical Graphics, Inc. TX 4-819-011.
- 012 STK/VO user's manual: version 3.0 for Windows 95/NT / By Analytical Graphics, Inc. TX 4-845-765.
- 013 PODs user's manual & tutorial: version 2.1 for engineering workstations / By Analytical Graphics, Inc. TX 4-845-766.
- 014 PODS user's manual & tutorial: version 2.1 for PCs / By Analytical Graphics, Inc., employer for hire of Sheila R. Marshall. TX 4-845-767.
- 015 Comm user's manual: version 1.1 for Windows 95/NT / By Analytical Graphics, Inc., employer for hire of Sheila R. Marshall & Ralph C. Patrick. TX 4-845-768.



016 MFT user's manual & tutorial: version 2.0 for engineering workstations / By Analytical Graphics, Inc. TX 4-845-769.

017 Chains user's manual: version 2.0 for PCs / By Analytical Graphics, Inc. TX 4-845-770.

018 Chains user's manual: version 2.0 for engineering workstations / TX 4-845-771.

019 MFT user's manual & tutorial: MFT / By Analytical Graphics, Inc. TX 4-845-772.

020 Windows 95/NT user's manual: STK / By Analytical Graphics, Inc. TX 4-845-773.

021 UNIX user's manual: STK / By Analytical Graphics, Inc. TX 4-845-774.

022 STK installation instructions: for Windows & engineering workstations / By Analytical Graphics, Inc. TX 4-845-775.

023 Coverage user's manual: version 1.0 for engineering workstations / By Analytical Graphics, Inc., employer for hire of Sheila R. Marshall & Ralph C. Patrick. TX 4-845-776.

024 Coverage user's manual: version 1.0 for Windows 95/NT / By Analytical Graphics, Inc., employer for hire of Sheila R. Marshall & Ralph C. Patrick.

025 STK/DIS user's manual: version 1.0 for engineering workstations / By Analytical Graphics, Inc. TX 4-845-778.

026 STK/DIS user's manual: version 1.0 for PCs / By Analytical Graphics, Inc. TX 4-845-779.

027 STK/GIS user's manual: version 1.0 for engineering workstations / By Analytical Graphics, Inc. TX 4-845-780.

028 Windows 95/NT tutorial: STK / By Analytical Graphics, Inc. TX 4-845-781.

029 UNIX tutorial: STK / By Analytical Graphics, Inc. TX 4-845-782.

030 Radar user's manual: version 1.0 for engineering workstations / By Analytical Graphics, Inc., employer for hire of Ralph C. Patrick. TX 4-845-783.

031 Radar user's manual: version 1.0 for Windows 95/NT 4.0: module that allows the user to analyze and visualize radar system performance for mission planning and system design analysis / By Analytical Graphics, Inc., employer for hire of Ralph C. Patrick. TX 4-845-797.

032 Comm user's manual: version 1.1 for engineering workstations: module that allows the user to analyze and visualize communications links among spacecraft, and between spacecraft and earth stations / By Analytical Graphics, Inc., employer for hire of Ralph C. Patrick. TX 4-845-798.

033 STK/PL astrodynamics & utilities: version 4.0 for Windows 95/NT 4.0 & engineering workstations: a complete set of astrodynamic, utility, database and graphics functions for extension and development of space-related applications / By Analytical Graphics, Inc., employer for hire of Ralph C. Patrick & Sheila R. Marshall. TX 4-846-312.

034 STK/PL application interface: version 4.0 for Windows 95/NT 4.0 & engineering workstations: a complete set of STK class, extension and user interface functions to enhance STK functionality of integrate into custom applications / By Analytical Graphics, Inc., employer for hire of Ralph C. Patrick & Shiela R. Marshall. TX 4-846-313.

035 Satellite tool kit: version 4.0.2 / By Analytical Graphics, Inc. TX 4-851-553.

036 STK/OD: a technical summary / By Analytical Graphics, Inc., employer for hire of James R. Wright & Kevin E. Obrien. TXu 1-035-371.

037 Satellite tool kit version 4.4 / TX 6-033-536.

038 Satellite tool kit version 5.0 / TXu 1-193-005.

039 Satellite tool kit version 6.0 / TX 6-026-732.

040 Navigation tool kit version 1.0 / TX 6-061-747.

041 Orbit determination tool kit version 3.0.1.

042 STK/OD version 2.0.

**EXHIBIT B**

**See attached**



May 19, 2011

Analytical Graphics Inc.  
220 Valley Creek Blvd  
Exton, PA 19341

RE: Commercial Loan #s : 9965780876-109 and 9965780876-91

To Whom It May Concern:

Per your request, listed below are payoff figures for the above Loan as of: May 19, 2011

Principal Balance:		\$8,175,000.00	- 2031-Note Payable
Interest due through 5/18/11		\$23,231.25	
Recording Fees (UCC release):		\$63.50	
Legal Fees:		\$4,000.00	52,947.75
Additional Interest Charges from 9/30/10 to 5/19/11		\$25,653.00	11,000.00 9720
Total Due as of: 5/19/11		<hr/>	
		\$8,227,947.75	USD
Per Diem amount for 5/20/11	and thereafter:	\$1,290.63	

**Lien Releases.** Effective immediately upon receipt by M&T Bank ("Bank" or "us") of payment in full in cash of all amounts owed by Analytical Graphics, Inc. ("Borrower") to us described above (the "Total Due" plus any accrued "Per Diem Interest" being the "Pay-Off Amount"; the date of our receipt of the Pay-Off Amount being the "Pay-Off Date"), without further action on the part of the parties hereto (i) all indebtedness and obligations (the "Obligations") of Borrower to us under Commercial Loan #s 9965780876-109 and 9965780876-91, and any other related loan and collateral security documents (collectively, the "Loan Documents") shall be paid and discharged in full (other than Continuing Obligations described below); (ii) all unfunded commitments to make credit extensions or financial accommodations to Borrower or any other person under any of the Loan Documents shall be terminated; and (iii) all security interests and other liens of every type at any time granted to or held by Bank as security for the Obligations shall be terminated.

Notwithstanding anything to the contrary contained herein, the Borrower is not, in any way, released from, and Borrower hereby ratifies and confirms its continuing liability to Bank for the indefeasible payment and satisfaction in full of the following (collectively, the "Continuing Obligations"): (a) all obligations of the Borrower hereunder; and (b) all indemnification obligations and other obligations in favor of Bank or that, pursuant to the terms of the Loan Documents as in effect immediately prior to the effectiveness hereof, survive the termination thereof.

Upon receipt of the Pay-Off Amount by Bank, Bank hereby authorizes Borrower, its appointee or its designee to file, on Bank's behalf, such UCC termination statements and any other documents as are necessary to evidence the release of all financing statements and security interests in favor of Bank securing the Obligations.

Additionally, following receipt of the Pay-Off Amount by Bank in immediately available funds, Bank shall promptly (i) file any other documents necessary to release or terminate any lien with respect to Borrower's intellectual property or other property or assets; and (ii) deliver notices to terminate any deposit or securities account control agreements relating to any assets in which Borrower or any other party has pledged a security interest to Bank to secure the Obligations. All such agreements, documents,



and instruments which are requested by Borrower to be delivered or filed by Bank on or after the Pay-Off Date shall be prepared at no cost or expense to Bank.

**Assignments.** To request an assignment of an existing lien instrument, please contact Jeffrey Wehler at (215) 956-7078. Please be advised that (a) we are under no obligation to assign the Loan or any lien instrument, and (b) if we agree to undertake any assignment thereof, there will be additional fees and costs for which you will be responsible, and such amounts will be added to the Total Due.

**Payments.** You may deliver your payment in person (at M&T Bank branch), by mail, or by wire transfer. If paying by check, it must be a certified check or official bank check, made payable to M&T Bank. Mail your check (with a copy of this letter) to M&T Bank at the following address:

Attention: Commercial Servicing/Payoffs  
One Fountain Plaza, 3<sup>rd</sup> Floor  
Buffalo, NY 14203

If you are wiring funds, please use the following wire instructions, including the Commercial Loan # referenced above (or, as to Legal Fees, to such other instructions provided to you):

ABA #022000046  
M&T BANK, BUFFALO, NY  
BENEFICIARY: 3086001449100: Reference Payoffs Loan #s 9965780876-109 and 9965780876-91

Except as provided below, all amounts quoted above are valid only through 5/19/11 (2:00p.m. EST). If payment is not received by 2:00 p.m. on the date specified, additional per diem charges must be added for each day until the date payment is received by us. Partial payments will be treated in accordance with the documentation evidencing the Loan. Each amount quoted above (including, without limitation, the Total Due) is subject to verification by us, and provided under the condition that it shall not be considered an estoppel against a subsequent correction of any amount or collection of any other fees or expenses incurred by us in connection with your request to pay off the Loan. Any such amounts shall be added to the Total Due.

Please be advised that, to the extent you have an escrow account with us in connection with your Loan, **UPON PAYOFF OF THE LOAN YOUR TAX BILL WILL NO LONGER BE PAID BY US.** If you have questions regarding the status of a tax bill that is currently due, please contact our Escrow Administration Department at 1-800-724-5633.

Please be advised that for any subsequent requests for payoff quotes within 30 days from the date hereof, we reserve the right to charge you an additional fee of \$100 per quote.

If you have any questions, please contact me at: (215) 956-7034

Sincerely,

  
Nora Perry, Banking Officer



770 Valley Creek Blvd.  
Exton, PA 19341-2389

May 19, 2011

M & T Bank  
Attn: David Mills  
601 Dresher Road  
Horsham, PA 19044

Dear Dave,

After closing Escrow Account #9849665162 and depositing the funds into our checking account # 9836317546, please debit the same account of Analytical Graphics Inc. on Thursday, May 19, as payment in full of principal, interest & fees related to M&T Bank Commercial Loans #9965780876-109 and #9965780876-91 between M & T Bank and Analytical Graphics Inc. in accordance with and as disclosed on the respective payoff letters issued by M&T Bank dated May 19, 2011 with respect to these loans.

Thank you for your assistance in this matter.

Regards,

A handwritten signature in cursive script that reads 'Will J. Broderick'.

William J. Broderick  
Analytical Graphics Inc  
Chief Financial Officer