

TRADEMARK ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST

**CONVEYING PARTY DATA**

Name	Formerly	Execution Date	Entity Type
ALLIANT TECHSYSTEMS INC.		11/01/2013	CORPORATION: DELAWARE
Caliber Company		11/01/2013	CORPORATION: DELAWARE
Eagle Industries Unlimited, Inc.		11/01/2013	CORPORATION: MISSOURI
Federal Cartridge Company		11/01/2013	CORPORATION: MINNESOTA
Savage Arms, Inc.		11/01/2013	CORPORATION: DELAWARE
Savage Range Systems, Inc.		11/01/2013	CORPORATION: DELAWARE
Savage Sports Corporation		11/01/2013	CORPORATION: DELAWARE

**RECEIVING PARTY DATA**

<b>Name:</b>	BANK OF AMERICA, N.A.
<b>Street Address:</b>	1455 MARKET STREET, 5TH FLOOR
<b>City:</b>	SAN FRANCISCO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94103
<b>Entity Type:</b>	NATIONAL ASSOCIATION: UNITED STATES

**PROPERTY NUMBERS Total: 374**

Property Type	Number	Word Mark
Registration Number:	2062642	2400
Registration Number:	2803714	410
Registration Number:	4066736	ALLIANT POWDER
Registration Number:	2002913	ALLIANT POWDER
Registration Number:	2375888	ALLIANT POWDER TECHNICALLY SUPERIOR BY D
Registration Number:	781203	AMERICAN EAGLE
Registration Number:	1600686	AMERICAN EAGLE
Registration Number:	808014	AMERICAN EAGLE
Registration Number:	782263	

CH \$9365.00 2062642

Registration Number:	808748	
Registration Number:	595057	
Registration Number:	3679736	AMERICAN SELECT
Registration Number:	1690080	AMMOMASTER
Registration Number:	2080002	APS
Registration Number:	4057507	AR-COMP
Registration Number:	2782133	ATK
Registration Number:	3463984	ATK
Registration Number:	3160476	ATK
Registration Number:	3160478	ATK
Registration Number:	3160477	ATK
Registration Number:	3526313	ATK
Registration Number:	3373825	ATK PREMIUM PARTNERS
Registration Number:	3510584	AVIATOR
Registration Number:	4205521	AXIOM
Registration Number:	2012000	BALLISTICLEAN
Registration Number:	2021066	BHI
Registration Number:	3357898	BLACK CLOUD
Registration Number:	3349215	BLACKCLOUD
Registration Number:	3499586	
Registration Number:	2207855	BLACKHAWK
Registration Number:	2737060	BLACKHAWK
Registration Number:	4317248	BLACKHAWK!
Registration Number:	3582358	BLACKHAWK!
Registration Number:	3100312	BLACKHAWK!
Registration Number:	3198084	BLACKHAWK!
Registration Number:	3203714	BLACKHAWK!
Registration Number:	3128839	BLACKHAWK!
Registration Number:	3198080	BLACKHAWK! PRODUCTS GROUP
Registration Number:	3331281	BLACKHAWK! WARRIOR WEAR
Registration Number:	1232643	BLAZER
Registration Number:	971715	BLUE DOT
Registration Number:	61982	BULLS EYE
Registration Number:	2168336	BUSHMASTER
Registration Number:	2919884	CAPE SHOK

	1885925	CASE MASTER
Registration Number:	1892898	CASE SLICK
Registration Number:	2545317	CASTCORE
Registration Number:	1851879	CASTOR
Registration Number:	1851878	CASTOR 120
Registration Number:	831313	CCI
Registration Number:	3174875	CCI
Registration Number:	3143215	CCI
Registration Number:	3149538	CCI
Registration Number:	3261939	CCI
Registration Number:	3259134	CCI
Registration Number:	3389952	CCI
Registration Number:	3309511	CCI
Registration Number:	3186025	CCI SELECT
Registration Number:	1047223	CHAIN GUN
Registration Number:	3077532	CHAMPION
Registration Number:	3841840	CHAMPION
Registration Number:	1054411	CHAMPION
Registration Number:	3555185	CHAMPION
Registration Number:	3016275	CHAMPION
Registration Number:	3923293	CHAMPION
Registration Number:	3982414	CHAMPION
Registration Number:	3030396	CHAMPION
Registration Number:	3719281	CHAMPION EYES & EARS
Registration Number:	3719350	CHAMPION EYES & EARS
Registration Number:	3030414	CHAMPION TRAPS & TARGETS
Registration Number:	3030409	CHAMPION TRAPS & TARGETS
Registration Number:	3030413	CHAMPION TRAPS & TARGETS
Registration Number:	3014064	CHAMPION TRAPS & TARGETS CRITTER SERIES
Registration Number:	3042643	CHAMPION TRAPS & TARGETS CRITTER SERIES
Registration Number:	3042639	CHAMPION TRAPS & TARGETS CRITTER SERIES
Registration Number:	3124812	CLAY DOT
Registration Number:	1825074	CLEAN-FIRE
Registration Number:	3020772	COPPER-KLENZ
Registration Number:	4040774	CQC

	3161038	CQC
Registration Number:	2959198	DE
Registration Number:	3923937	DEEPCURL
Registration Number:	2472138	DEEP-SHOK
Registration Number:	4419638	DIVERSION
Registration Number:	3374419	DROP DUCKS LIKE RAIN
Registration Number:	907400	
Registration Number:	3562125	DURASEAL
Registration Number:	3438980	DYNAMIC ENTRY
Registration Number:	3155033	E3
Registration Number:	3166278	E3
Registration Number:	1789291	EAGLE
Registration Number:	3629291	EAGLE
Registration Number:	3127817	EASYBIRD
Registration Number:	2970760	ESTATE
Registration Number:	2419305	ESTATE CARTRIDGE ECI
Registration Number:	3136636	EVERY SHOT COUNTS
Registration Number:	3069273	EVERY SHOT COUNTS
Registration Number:	3941404	EXTRA-LITE
Registration Number:	2017887	EXTRA-LITE
Registration Number:	3124306	FEDERAL
Registration Number:	729938	FEDERAL
Registration Number:	4018302	FEDERAL AMMUNITION CHAMPION
Registration Number:	2359927	FEDERAL PREMIUM
Registration Number:	3030760	FEDERAL PREMIUM
Registration Number:	3513153	FEDERAL PREMIUM AMMUNITION BLACKCLOUD FS
Registration Number:	3982236	FEDERAL PREMIUM AMMUNITION PRAIRIE STORM
Registration Number:	3990779	FEDERAL PREMIUM AMMUNITION PRAIRIE STORM
Registration Number:	3574927	FEDERAL PREMIUM AMMUNITION
Registration Number:	3357380	FEDERAL PREMIUM AMMUNITION
Registration Number:	1894659	FLIGHT MASTER
Registration Number:	3099182	FLITECONTROL
Registration Number:	3206760	FLITECONTROL WAD
Registration Number:	3314676	FLITESTOPPER
Registration Number:	3284597	FOR PROFESSIONALS BY PROFESSIONALS

**TRADEMARK**

**REEL: 005162 FRAME: 0251**

	3455918	FORCE ON FORCE
Registration Number:	3627536	FORCE ON FORCE
Registration Number:	3631944	FORCE ON FORCE
Registration Number:	3877211	FORCE ON FORCE
Registration Number:	3631945	FORCE ON FORCE
Registration Number:	595060	FOX
Registration Number:	3454515	FS STEEL
Registration Number:	3427636	FS STEEL
Registration Number:	3452727	FUSION
Registration Number:	3146532	FUSION
Registration Number:	3524712	FUSION LITE
Registration Number:	3113819	FUSION
Registration Number:	2919891	GAME SHOK
Registration Number:	3011104	GAMEPOINT
Registration Number:	3517328	GET ON TARGET
Registration Number:	3136948	GLADIUS
Registration Number:	1898839	GOLD DOT
Registration Number:	2512419	GOLD DOT
Registration Number:	1155509	GOLD MEDAL
Registration Number:	2332839	GOLD MEDAL
Registration Number:	1820567	GOLD MEDAL
Registration Number:	3776884	GORILLA RANGE BAG
Registration Number:	3657231	GRAND SLAM
Registration Number:	2605240	GRAND SLAM
Registration Number:	2326038	GRAND SLAM
Registration Number:	816827	GREEN DOT
Registration Number:	1624729	GREEN TAG
Registration Number:	4036081	GUARD DOG
Registration Number:	3146416	GUN-DRI
Registration Number:	3182048	GUN-FLUSH
Registration Number:	3030894	GUN-FOAM
Registration Number:	3066821	GUN-SEAL
Registration Number:	699543	GUNSLICK
Registration Number:	714735	GUNSLICK
Registration Number:	714592	GUNSLICK

	3133973	GUNSLICK
Registration Number:	3169538	GUNSLICK
Registration Number:	3136740	GUNSLICK
Registration Number:	3169539	GUNSLICK
Registration Number:	3136739	GUNSLICK
Registration Number:	3130820	GUNSLICK
Registration Number:	3259153	GUNSLICK
Registration Number:	3262023	GUNSLICK
Registration Number:	3065039	
Registration Number:	2985151	
Registration Number:	3086234	
Registration Number:	3169562	
Registration Number:	3424052	HEAVYWEIGHT
Registration Number:	4114441	
Registration Number:	225253	HERCO
Registration Number:	3022250	HIGH DENSITY
Registration Number:	3021839	HIGH FLY
Registration Number:	1607415	HI-POWER
Registration Number:	765673	HI-SHOK
Registration Number:	891883	HI-SHOK
Registration Number:	3437728	HONOR AS A WAY OF LIFE
Registration Number:	3129097	HONOR AS A WAY OF LIFE
Registration Number:	3129096	HONOR AS A WAY OF LIFE
Registration Number:	3129095	HONOR AS A WAY OF LIFE
Registration Number:	3129098	HONOR AS A WAY OF LIFE
Registration Number:	2853645	HOT-COR
Registration Number:	3989952	HST
Registration Number:	1697216	HUNTERS FOR CONSERVATION
Registration Number:	1594112	HYDRA-SHOK
Registration Number:	3575093	I.T.S.
Registration Number:	2979593	INDEPENDENCE
Registration Number:	3086233	INDEPENDENCE
Registration Number:	2974474	IN-SIGHT
Registration Number:	2979802	IN-SIGHT
Registration Number:	3545553	INTEGRATED TOURNIQUET SYSTEM

**TRADEMARK**

**REEL: 005162 FRAME: 0253**

	3828172	K
Registration Number:	3246875	KNOCK KNOCK
Registration Number:	3828171	KNOXX
Registration Number:	1768573	LAWMAN
Registration Number:	1034650	LUBE-A-MATIC
Registration Number:	2988176	MATCHBIRD
Registration Number:	1600688	MAXI MAG
Registration Number:	3214759	MEGA
Registration Number:	3223866	OMEGA ELITE
Registration Number:	1100628	MICRO-TRAC
Registration Number:	3422827	MINI-MAG
Registration Number:	2987531	MOD
Registration Number:	3049139	MOD MADE IN USA TACTICAL KNIVES
Registration Number:	3873905	MONKEY BAG
Registration Number:	2045204	MULTI-PURPOSE
Registration Number:	3001135	NDEVIEWER
Registration Number:	3102110	NIGHT-OPS
Registration Number:	2902909	NOTHING SHALL STAND IN YOUR WAY
Registration Number:	3118101	NU-GUN
Registration Number:	1148863	NYCLAD
Registration Number:	2068943	OMEGA
Registration Number:	1632806	OUTERS
Registration Number:	3229042	OUTERS
Registration Number:	3278559	OUTERS
Registration Number:	3229041	OUTERS
Registration Number:	3278558	OUTERS
Registration Number:	3621341	OUTERS
Registration Number:	3229040	OUTERS
Registration Number:	3000983	OW
Registration Number:	3061142	OW
Registration Number:	2994468	OW OUTDOOR WRITERS
Registration Number:	3232469	PERFORMANCE RULES!
Registration Number:	3232468	PERFORMANCE RULES!
Registration Number:	3435322	PERSONAL DEFENSE
Registration Number:	2112332	PERSONAL DEFENSE

	726419	PLINKER
Registration Number:	2079998	POWER PISTOL
Registration Number:	3850650	POWER PRO
Registration Number:	2919889	POWER SHOK
Registration Number:	1888379	POWR PULL
Registration Number:	3909037	PRAIRIE STORM
Registration Number:	1368571	PRECISIONEERED
Registration Number:	2047681	PREMIUM
Registration Number:	3209544	PREMIUM
Registration Number:	2401652	PREMIUM
Registration Number:	3262262	PREMIUM PARTNERS
Registration Number:	3163812	PREMIUM PARTNERS
Registration Number:	3175140	PREMIUM PARTNERS
Registration Number:	3370224	PREMIUM PARTNERS
Registration Number:	1778868	PREMIUM SAFARI
Registration Number:	2548145	PRO 2000
Registration Number:	3788001	PRO REACH
Registration Number:	2360820	PROMO
Registration Number:	3069054	QUAD LOCK
Registration Number:	3938209	R.A.S.S.
Registration Number:	2245875	RC-130
Registration Number:	820178	RCBS
Registration Number:	2910629	RCBS
Registration Number:	2994209	RCBS
Registration Number:	4317250	RCBS
Registration Number:	2984983	RCBS
Registration Number:	2988933	RCBS
Registration Number:	1298733	RED DOT
Registration Number:	0816481	RELODER
Registration Number:	2967513	RELODER 10X
Registration Number:	2416529	RHT
Registration Number:	3400666	ROCK CHUCKER
Registration Number:	3287053	S SPEER
Registration Number:	3041727	S.T.R.I.K.E.
Registration Number:	3122850	S.T.R.I.K.E.



	1521117	SCORE KEEPER
Registration Number:	3962895	SECAS
Registration Number:	3195367	SERPA
Registration Number:	4058597	SERPA
Registration Number:	3616085	SHOCK WAVE
Registration Number:	3435638	
Registration Number:	3012085	
Registration Number:	3178657	
Registration Number:	3345514	
Registration Number:	3072298	SHORT BARREL
Registration Number:	3002755	SKYBIRD
Registration Number:	2919890	SPEED SHOK
Registration Number:	1101411	SPEER
Registration Number:	3522027	SPEER BULLETS EST. 1943
Registration Number:	3370379	S SPEER LE
Registration Number:	3922872	SPORTSTER
Registration Number:	4126166	SPORTSTER
Registration Number:	2982099	STALK STICK
Registration Number:	2985103	STEADY BAG
Registration Number:	3064327	STEADY POD
Registration Number:	3074372	STEADY POINT
Registration Number:	2322545	STEEL
Registration Number:	1608156	STINGER
Registration Number:	3532503	STRUT SHOK
Registration Number:	3845759	SUPER SLAM
Registration Number:	3022068	SUPER SPORT
Registration Number:	2575149	SUPER SPORT
Registration Number:	2091808	TACTICAL
Registration Number:	2683928	TECHNICALLY SUPERIOR BY DESIGN
Registration Number:	3454623	FEDERAL EXPERIENCE
Registration Number:	3151677	THE LEADER IN RIMFIRE AMMUNITION
Registration Number:	3209132	THE WORLD'S FINEST TACTICAL GEAR
Registration Number:	1600687	TMJ
Registration Number:	3578533	TNT
Registration Number:	2475437	TNT

TRADEMARK

REEL: 005162 FRAME: 0256

	3702170	TNT GREEN
Registration Number:	3471745	TOP GUN
Registration Number:	2018517	TOXIC-METAL FREE
Registration Number:	3276995	TRAP TAXI
Registration Number:	3345150	TRILOK
Registration Number:	1962369	TRIM PRO
Registration Number:	920023	TRIPLE PLUS
Registration Number:	3369232	TRIPLE-SHOCK
Registration Number:	3989953	TRU
Registration Number:	3115116	TRUBALL
Registration Number:	2919888	ULTRA SHOK
Registration Number:	3151844	ULTRA-KLENZ
Registration Number:	3096562	ULTRAMATCH
Registration Number:	1797732	UNI-COR
Registration Number:	99306	"UNIQUE"
Registration Number:	2919887	V SHOK
Registration Number:	1570827	VARMINTER
Registration Number:	3165303	VELOCITOR
Registration Number:	3517109	VISICHALK
Registration Number:	3240630	VISICOLOR
Registration Number:	2974196	VISISHOT
Registration Number:	2919885	VITAL SHOK
Registration Number:	3683824	VOYAGER
Registration Number:	3677203	VOYAGER SHOOTING SYSTEM
Registration Number:	755453	WEAVER
Registration Number:	3804208	WEAVER
Registration Number:	3804207	WEAVER
Registration Number:	4005031	WEAVER
Registration Number:	4014863	WEAVER
Registration Number:	3804206	WEAVER
Registration Number:	3887019	WEAVER
Serial Number:	85116687	WEAVER
Registration Number:	3874163	WEAVER
Registration Number:	3874164	WEAVER
Registration Number:	4075960	WEAVER

	4014856	WEAVER
Registration Number:	4005032	WEAVER
Registration Number:	2413218	WEAVER CLASSIC
Registration Number:	2669449	
Registration Number:	2921576	WING SHOK
Registration Number:	3222203	WW
Registration Number:	3183826	WW
Registration Number:	4092771	BLACKHAWK! WARRIORWEAR
Registration Number:	2563180	X DIE
Registration Number:	3066631	XRAY
Registration Number:	100629	SAVAGE QUALITY
Registration Number:	91391	STEVENS
Registration Number:	1665126	POR-TA TARGET
Registration Number:	3138918	FORENSIC BUDDY
Registration Number:	3297336	HUNTER'S EDGE
Serial Number:	85828812	ARMORY
Serial Number:	85910843	
Serial Number:	85910837	
Serial Number:	85910822	
Serial Number:	77918153	BLACKHAWK!
Serial Number:	77918108	BLACKHAWK!
Serial Number:	85806509	BLACKHAWK!
Serial Number:	78676018	BLACKHAWK! WARRIOR WEAR
Serial Number:	85690198	CRAZY BOUNCE
Serial Number:	85148193	EMERALD X
Serial Number:	85148184	EMERALD X
Serial Number:	85692541	EPOCH
Serial Number:	85020699	EXTREME SHOCK
Serial Number:	85524233	GOLD DOT G2
Serial Number:	85710916	GRIPBREAK
Serial Number:	85972125	GUN-FLUSH
Serial Number:	85451813	INVICTUS
Serial Number:	85195197	LIBERTY
Serial Number:	78550543	OMEGA
Serial Number:	78548473	MEGA ELITE

	85941963	OMEGA
Serial Number:	85941948	OMEGA
Serial Number:	85941994	OMEGA ELITE
Serial Number:	85942008	OMEGA ELITE
Serial Number:	86006973	PRO CHUCKER
Serial Number:	85079168	SPORTSTER
Serial Number:	85828767	STRIKEVIEW
Serial Number:	85699470	SUMMIT
Serial Number:	86074472	SYNTECH
Serial Number:	85913612	TECGRIP
Serial Number:	86007664	TRAUMAHAWK
Serial Number:	85728654	TRIO
Serial Number:	85731622	UNDER THE RADAR
Serial Number:	85690677	VERSA-HARNESS
Serial Number:	78676037	WARRIOR WEAR

**CORRESPONDENCE DATA**

Fax Number: 6508385109  
*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.*  
Phone: 650-838-3743  
Email: jlik@shearman.com  
Correspondent Name: BENJAMIN PETERSEN  
Address Line 1: 599 Lexington Avenue  
Address Line 2: Shearman & Sterling LLP  
Address Line 4: New York, NEW YORK 10022

ATTORNEY DOCKET NUMBER:	3232/606
NAME OF SUBMITTER:	BENJAMIN PETERSEN
Signature:	/BENJAMIN PETERSEN/
Date:	11/26/2013

**Total Attachments: 72**

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**TRADEMARK**  
**REEL: 005162 FRAME: 0259**



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**INTELLECTUAL PROPERTY SECURITY AGREEMENT**

This INTELLECTUAL PROPERTY SECURITY AGREEMENT (as amended, amended and restated, supplemented or otherwise modified from time to time, the “**IP Security Agreement**”) dated November 1, 2013, is made by the Persons listed on the signature pages hereof (collectively, the “**Grantors**”) in favor of Bank of America, N.A. (“**Bank of America**”), as Administrative Agent (the “**Administrative Agent**”) for the Secured Parties (as defined in the Credit Agreement referred to below).

WHEREAS, Alliant Techsystems Inc., a Delaware corporation, has entered into a Third Amended and Restated Credit Agreement dated as of November [1], 2013 (as amended, amended and restated, supplemented or otherwise modified from time to time, the “**Credit Agreement**”), with Bank of America, N.A., as Administrative Agent, and the other Agents and the Arrangers party thereto. Terms defined in the Credit Agreement and not otherwise defined herein are used herein as defined in the Credit Agreement.

WHEREAS, as a condition precedent to the making of Loans by the Lenders and the issuance of Letters of Credit by the L/C Issuers under the Credit Agreement and the entry into Secured Hedge Agreements by the Hedge Banks from time to time, each Grantor has executed and delivered that certain Third Amended and Restated Security Agreement dated November [1], 2013 made by the Grantors to the Administrative Agent (as amended, amended and restated, supplemented or otherwise modified from time to time, the “**Security Agreement**”).

WHEREAS, under the terms of the Security Agreement, the Grantors have granted to the Administrative Agent, for the ratable benefit of the Secured Parties, a security interest in, among other property, certain intellectual property of the Grantors, and have agreed as a condition thereof to execute this IP Security Agreement for recording with the U.S. Patent and Trademark Office, the U.S. Copyright Office and other governmental authorities.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Grantor agrees as follows:

1. Grant of Security. Each Grantor hereby grants to the Administrative Agent for the ratable benefit of the Secured Parties a security interest in all of such Grantor’s right, title and interest in and to the following (the “**Collateral**”):

(a) the patents and patent applications set forth on Schedule A hereto (the “**Patents**”);

(b) the trademark and service mark registrations and applications set forth on Schedule B hereto (provided that no security interest shall be granted in United States intent-to-use trademark applications to the extent that, and solely during the period in which, the grant of a security interest therein would impair the validity or enforceability of such intent-to-use trademark applications under applicable federal law), together with the goodwill symbolized thereby (the “**Trademarks**”);

(c) all copyrights, whether registered or unregistered, now owned or hereafter acquired by such Grantor, including, without limitation, the copyright registrations and applications set forth on Schedule C hereto (the “**Copyrights**”);

(d) all reissues, divisions, continuations, continuations-in-part, extensions, renewals and reexaminations of any of the foregoing, all rights in the foregoing provided by international treaties or conventions, all rights corresponding thereto throughout the world and all other rights of any kind whatsoever of such Grantor accruing thereunder or pertaining thereto;

(e) any and all claims for damages and injunctive relief for past, present and future infringement, dilution, misappropriation, violation, misuse or breach with respect to any of the foregoing, with the right, but not the obligation, to sue for and collect, or otherwise recover, such damages; and

(f) any and all proceeds of, collateral for, income, royalties and other payments now or hereafter due and payable with respect to, and supporting obligations relating to, any and all of the Collateral of or arising from any of the foregoing.

2. Security for Obligations. The grant of a security interest in, the Collateral by each Grantor under this IP Security Agreement secures the payment of all Obligations of such Grantor now or hereafter existing under or in respect of the Loan Documents, whether direct or indirect, absolute or contingent, and whether for principal, reimbursement obligations, interest, premiums, penalties, fees, indemnifications, contract causes of action, costs, expenses or otherwise.

3. Recordation. Each Grantor authorizes and requests that the Register of Copyrights, the Commissioner for Patents and Trademarks and any other applicable U.S. government officer record this IP Security Agreement.

4. Execution in Counterparts. This IP Security Agreement may be executed in any number of counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

5. Grants, Rights and Remedies. This IP Security Agreement has been entered into in conjunction with the provisions of the Security Agreement. Each Grantor does hereby acknowledge and confirm that the grant of the security interest hereunder to, and the rights and remedies of, the Administrative Agent with respect to the Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated herein by reference as if fully set forth herein.

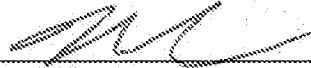
6. Governing Law. This IP Security Agreement shall be governed by, and construed in accordance with, the laws of the State of New York.



IN WITNESS WHEREOF, each Grantor has caused this IP Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

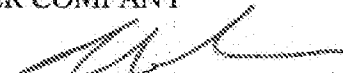
Address for Notices:  
1300 Wilson Blvd, Suite 400  
Arlington, VA 22209

ALLIANT TECHSYSTEMS INC.

By:   
Name: Neal S. Cohen  
Title: Executive Vice President and Chief Financial Officer

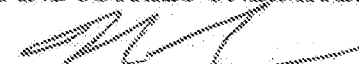
Address for Notices:  
900 Ehlen Drive  
Anoka, MN 55303

CALIBER COMPANY

By:   
Name: Neal S. Cohen  
Title: Chief Financial Officer

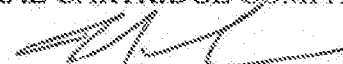
Address for Notices:  
6160 Commander Parkway  
Norfolk, VA 23502

EAGLE INDUSTRIES UNLIMITED, INC.

By:   
Name: Neal S. Cohen  
Title: Chief Financial Officer

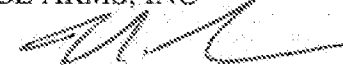
Address for Notices:  
900 Ehlen Drive  
Anoka, MN 55303

FEDERAL CARTRIDGE COMPANY

By:   
Name: Neal S. Cohen  
Title: Chief Financial Officer

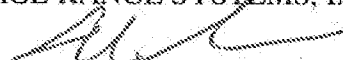
Address for Notices:  
100 Springdale Road  
Westfield, MA 01085

SAVAGE ARMS, INC

By:   
Name: Neal S. Cohen  
Title: Chief Financial Officer

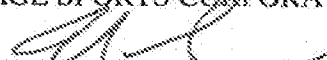
Address for Notices:  
100 Springdale Road  
Westfield, MA 01085

SAVAGE RANGE SYSTEMS, INC.

By:   
Name: Neal S. Cohen  
Title: Chief Financial Officer

Address for Notices:  
900 Ehlen Drive  
Anoka, MN 55303

SAVAGE SPORTS CORPORATION

By:   
Name: Neal S. Cohen  
Title: Chief Financial Officer

**Schedule A  
Patents**

**U.S. Issued Patents**

<b>Title</b>	<b>Patent Number</b>	<b>Issue Date</b>	<b>Application Number</b>	<b>Owner</b>
Voltage Feedback Linearizer	5694132	02-Dec-1997	06/796832	Alliant Techsystems Inc.
Thrusting Apparatus	6315238	13-Nov-2001	07/212468	Alliant Techsystems Inc.
Polycyclic, Polyamides As Precursors For Energetic Polycyclic Polynitramine Oxidizers	7129348	31-Oct-2006	07/292028	Alliant Techsystems Inc.
Solid Propellant With Non-Crystalline Polyether/Energetic Plasticizer Binder	5783769	21-Jul-1998	07/326852	Alliant Techsystems Inc.
Energetic Binders	5955629	21-Sep-1999	07/343977	Alliant Techsystems Inc.
Inorganic Oxide Resins For Internal Oxidation Inhibition of Carbon-Carbon Composites	5736477	07-Apr-1998	07/355216	Alliant Techsystems Inc.
Precision Controlled Variable Thrust Solid Propellant Rocket Motor	7958718	14-Jun-2011	07/376813	Alliant Techsystems Inc.
Method of Internally Insulating a Propellant Combustion Chamber	5762746	09-Jun-1998	07/394706	Alliant Techsystems Inc.
High Energy Clean Space Motor Propellants	5591936	07-Jan-1997	07/561951	Alliant Techsystems Inc.
High Performance Space Motor Propellants	5798480	25-Aug-1998	07/561973	Alliant Techsystems Inc.
Method for Reducing Charge Retention Properties of Solid Propellants	8025010	27-Sep-2011	07/584210	Alliant Techsystems Inc.
Periodic Surfaces For Selectively Modifying the Properties of Reflected Electromagnetic Waves	5606335	25-Feb-1997	07/686198	Alliant Techsystems Inc.
Thermostatic Bimetallic Retaining Ring For Use In Rocket Motor Assembly	5735114	07-Apr-1998	07/745531	Alliant Techsystems Inc.

Propellant Gas-Generation System for Canister Ejection	5616884	01-Apr-1997	07/911941	Alliant Techsystems Inc.
Band Fiber Forming and Placement Delivery Head	5698066	16-Dec-1997	07/924355	Alliant Techsystems Inc.
Method For Making New Polycyclic Polyamides As Precursors For Energetic Polycyclic Polynitramine Oxidizers	6147209	14-Nov-2000	07/989369	Alliant Techsystems Inc.
Bitetrazoleamine Gas Generant Compositions	5682014	28-Oct-1997	08/101396	Alliant Techsystems Inc.
Detector For Thermal Neutrons Utilizing Alternating Boron Slabs and CCD Arrays	5399863	21-Mar-1995	08/139910	Alliant Techsystems Inc.
Perchlorate Removal Process	5382265	17-Jan-1995	08/143190	Alliant Techsystems Inc.
Multifunctional Magnetic Fuze	5497704	12-Mar-1996	08/176355	Alliant Techsystems Inc.
Composite Antenna	5440801	15-Aug-1995	08/205879	Alliant Techsystems Inc.
Stage Separation And Thrust Reduction Apparatus	5400713	28-Mar-1995	08/208940	Alliant Techsystems Inc.
Composite Structure For Heat Transfer and Radiation	5471367	28-Nov-1995	08/212948	Alliant Techsystems Inc.
Electromechanical Roll Control Apparatus and Method	5452864	26-Sep-1995	08/221358	Alliant Techsystems Inc.
Biplateau Reduced Smoke Propellant	5579634	03-Dec-1996	08/222423	Alliant Techsystems Inc.
Stowable and Self-Deployable Parallelogram-Type Panel Array	5487791	30-Jan-1996	08/249125	Alliant Techsystems Inc.
Case Trimmer	5497539	12-Mar-1996	08/249900	Alliant Techsystems Inc.
Shock Tolerant Fuze	5585592	17-Dec-1996	08/251147	Alliant Techsystems Inc.
Stowable and Deployable Concentrator For Solar Cells	5496414	05-Mar-1996	08/252998	Alliant Techsystems Inc.
Method Of Molding A Polar Boss To A Composite Pressure Vessel	5538680	23-Jul-1996	08/265406	Alliant Techsystems Inc.

Intellectual Property Security Agreement (ATK)

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**TRADEMARK**  
**REEL: 005162 FRAME: 0266**

Method For Producing High Density Refractory Metal Warhead Liners From Single Phase Materials	5523048	04-Jun-1996	08/282345	Alliant Techsystems Inc.
Solid Launch Vehicle Destruct System	5507231	16-Apr-1996	08/322917	Alliant Techsystems Inc.
Target Trap	5605139	25-Feb-1997	08/324412	Alliant Techsystems Inc.
Method Of Surface Preparation Of Aluminum Substrates	5520768	28-May-1996	08/327305	Alliant Techsystems Inc.
Synthesis of Bis(2,2-Dinitropropyl) Acetal (BDNPA)	5648556	15-Jul-1997	08/339138	Alliant Techsystems Inc.
Synthesis of Bis(2,2-Dinitropropyl) Formal (BDNPF)	5449835	12-Sep-1995	08/339140	Alliant Techsystems Inc.
Case Trimmer	5718423	17-Feb-1998	08/363359	Alliant Techsystems Inc.
Vectorable Nozzle Having Jet Vanes	5511745	30-Apr-1996	08/366848	Alliant Techsystems Inc.
Stowable and Deployable Solar Energy Concentrator With Fresnel Lenses	5578139	26-Nov-1996	08/368774	Alliant Techsystems Inc.
Composite Conformable Pressure Vessel	5577630	26-Nov-1996	08/382502	Alliant Techsystems Inc.
Pressable Infrared Illuminant Compositions	5912430	15-Jun-1999	08/386327	Alliant Techsystems Inc.
Castable Infrared Illuminant Compositions	6123789	26-Sep-2000	08/386328	Alliant Techsystems Inc.
Robust Propellant Liner and Interfacial Propellant Burn Rate Control	5767221	16-Jun-1998	08/448825	Alliant Techsystems Inc.
Solid Propellant Dual Pulse Rocket Motor Loaded Case And Ignition System And Method Of Manufacture	5600946	11-Feb-1997	08/469759	Alliant Techsystems Inc.
Metal Complexes For Use as Gas Generants	5673935	07-Oct-1997	08/484142	Alliant Techsystems Inc.
Monolithic X-Ray Image Detector and Method of	5798558	25-Aug-1998	08/495239	Alliant Techsystems Inc.

Intellectual Property Security Agreement (ATK)

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**TRADEMARK**  
**REEL: 005162 FRAME: 0267**

Manufacturing				
Plume Enhancement Nozzle For Achieving Flare Rotation	5654522	05-Aug-1997	08/495716	Alliant Techsystems Inc.
Metal Complexes For Use as Gas Generants	5725699	10-Mar-1998	08/507552	Alliant Techsystems Inc.
Solid Propellant Dual Pulse Rocket Motor Loaded Case And Ignition System And Method Of Manufacture	5675966	14-Oct-1997	08/525336	Alliant Techsystems Inc.
Electro-Mechanical Safety and Arming Device	5693906	02-Dec-1997	08/535744	Alliant Techsystems Inc.
Photo-Degradable Shotshell of Polyethylene and EVA-C0 Terpolymer	5795923	18-Aug-1998	08/543946	Federal Cartridge Company
FMCW VCO Closed Loop Linearizer	5642081	24-Jun-1997	08/548428	Alliant Techsystems Inc.
Missile Diverter Integration Method and System	5755401	26-May-1998	08/551006	Alliant Techsystems Inc.
Injection-Moldable, Polycaprolactone-Based Biodegradable Plastic Articles Such as Shotshell Components, and Method of Manufacturing Same	5859090	12-Jan-1999	08/591176	Federal Cartridge Company
Propellants Useful in Electrothermal-Chemical Guns	5574240	12-Nov-1996	08/593537	Alliant Techsystems Inc.
Metal Complexes For Use as Gas Generants	5592812	14-Jan-1997	08/599634	Alliant Techsystems Inc.
System and Method For the Construction of Spacecraft Structures	5803402	08-Sep-1998	08/645136	Alliant Techsystems Inc.
Gun Barrel Shrouding System	5726375	10-Mar-1998	08/662603	Alliant Techsystems Inc.
Radome Nose Cone Probe Apparatus For Use With Electrostatic Sensor	6094054	25-Jul-2000	08/668690	Alliant Techsystems Inc.
Methods of Preparing Gas Generant Formulations	5731540	24-Mar-1998	08/674152	Alliant Techsystems Inc.
Using Metal Complex	5735118	07-Apr-1998	08/698657	Alliant Techsystems Inc.

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**TRADEMARK**  
**REEL: 005162 FRAME: 0268**

Compositions as Gas Generants				
Primer Loading Tool	5693905	02-Dec-1997	08/710317	Alliant Techsystems Inc.
High Pressure Washout of Explosives Agents	5737709	07-Apr-1998	08/714825	Alliant Techsystems Inc./Ingersoll-Rand
Apparatus For Fiber Impregnation	5766357	16-Jun-1998	08/716027	Alliant Techsystems Inc.
Composite Conformable Pressure Vessel	6095367	01-Aug-2000	08/718611	Alliant Techsystems Inc.
Gun-Launched Rocket	5792981	11-Aug-1998	08/739469	Alliant Techsystems Inc.
Metal Hydrazine Complexes For Use as Gas Generants	6481746	19-Nov-2002	08/746224	Alliant Techsystems Inc.
Process For Controlled Deposition Profile Forced Flow Chemical Vapor Infiltration	6083560	04-Jul-2000	08/752450	Alliant Techsystems Inc.
Lead-Free Centerfire Primer With DDNP and Barium Nitrate Oxidizer	5831208	03-Nov-1998	08/768773	Federal Cartridge Company
Recoil System For the Butt Stock of a Firearm	5752339	19-May-1998	08/794760	Alliant Techsystems Inc.
Lightweight, Fighting Position Excavation System	6233851	22-May-2001	08/799258	Alliant Techsystems Inc.
Counterbalance Assembly	5735020	07-Apr-1998	08/810894	Alliant Techsystems Inc.
Pistol Grip Recoil System For the Receiver of a Firearm	5722195	03-Mar-1998	08/814063	Alliant Techsystems Inc.
Deployable Helical Antenna Stowage in a Compact Retracted Configuration	5909197	01-Jun-1999	08/832982	Alliant Techsystems Inc.
Propellant System	5892172	06-Apr-1999	08/841431	Alliant Techsystems Inc.
Performance Optimizing System For a Satellite Solar Array	6218605	17-Apr-2001	08/841526	Alliant Techsystems Inc.
Composite Antenna	5771027	23-Jun-1998	08/847864	Alliant Techsystems Inc.
Hydraulic Traverse and Elevation Mechanism	5922987	13-Jul-1999	08/862736	Alliant Techsystems Inc.
Shot Pouch	5874689	23-Feb-1999	08/867180	Federal Cartridge Company

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**TRADEMARK**  
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Metal Complexes For Use as Gas Generants	6039820	21-Mar-2000	08/899599	Alliant Techsystems Inc.
Solar Array For Satellite Vehicles	5961738	05-Oct-1999	08/903123	Alliant Techsystems Inc.
Acceleration/Deceleration Sensing Switch For Munitions	5914459	22-Jun-1999	08/905173	Alliant Techsystems Inc.
Shoot-Through Cover For An Explosively Formed Penetrator Warhead	5925845	20-Jul-1999	08/905174	Alliant Techsystems Inc.
Method and Apparatus For Detecting Electromagnetic Waves	6054848	25-Apr-2000	08/927145	Alliant Techsystems Inc.
Metal Hydrzaine Complexes Used as Gas Generants	5970703	26-Oct-1999	08/934900	Alliant Techsystems Inc.
Acoustic-Optical Scanning of Linear Detector Array For Laser Radar	5870181	09-Feb-1999	08/958956	Alliant Techsystems Inc.
Common Aperture Dual Mode Semi-Active Laser/Millimeter Wave Sensor	5973649	26-Oct-1999	08/959602	Alliant Techsystems Inc.
Quick-Release Handgun Holster	5918784	06-Jul-1999	08/978306	Alliant Techsystems Inc.
Erosion Resistant-Low Signature Liner For Solid Propellant Rocket Motors	6054521	25-Apr-2000	08/986875	Alliant Techsystems Inc.
Process Of Crystallizing 2,4,6,8,10,12-Hexanitro-2,4,6,8,10,12-Hexaazatetracyclo-5.5.0.0.5,903,111-Dodecane	5874574	23-Feb-1999	08/991432	Alliant Techsystems Inc.
Apparatus and Method For Determining Angles-of-Arrival and Polarization of Incoming RF Signals	5936575	10-Aug-1999	09/023381	Alliant Techsystems Inc.
Metal Complexes For Use as Gas Generants	6969435	29-Nov-2005	09/025345	Alliant Techsystems Inc.
Apparatus For Beam Splitting, Combining Wavelength Division Multiplexing and Demultiplexing	6125228	26-Sep-2000	09/035236	Alliant Techsystems Inc.

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**TRADEMARK**  
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Through Bulkhead Initiator	5959236	28-Sep-1999	09/052644	Alliant Techsystems Inc.
Shaped Charge Liner With Integral Initiation Mechanism	6026750	22-Feb-2000	09/053165	Alliant Techsystems Inc.
Composite Isogrid Structures for Parabolic Surfaces	6064352	16-May-2000	09/053187	Alliant Techsystems Inc./Northrop Grumman/NASA
Interfacial Propellant Burn Rate Control	5985361	16-Nov-1999	09/061098	Alliant Techsystems Inc.
Remotely Actuated Localized Pressure and Heat Apparatus and Method of Use	6793479	21-Sep-2004	09/062046	Alliant Techsystems Inc.
Missile Severance Device	6148729	21-Nov-2000	09/067854	Alliant Techsystems Inc.
Self-Contained Apparatus For Fiber Element Placement	6026883	22-Feb-2000	09/070421	Alliant Techsystems Inc.
Method and Apparatus For Producing Fiber Reinforced Structures	6050315	18-Apr-2000	09/070445	Alliant Techsystems Inc.
Recoil System For the Butt Stock of a Firearm	5974718	02-Nov-1999	09/080163	Alliant Techsystems Inc.
Capture Feature Tang Seal Defect Measurement Tool	6088925	18-Jul-2000	09/086572	Alliant Techsystems Inc.
Reduced Energy Binder For Energetic Compositions	6835255	28-Dec-2004	09/088163	Alliant Techsystems Inc.
Low Density Composite Rocket Nozzle Components and Process For Making the Same From Standard Density Phenolic Matrix, Fiber Reinforced Materials	6679965	20-Jan-2004	09/090256	Alliant Techsystems Inc.
Assembly Including Tubular Bodies and Mated with a Compression Loaded Adhesive Bond	5984369	16-Nov-1999	09/094569	Alliant Techsystems Inc.
Coaxial Unfocused Optical Sensor For Dual Mode Seekers	6060703	09-May-2000	09/107009	Alliant Techsystems Inc.
Thermally-Stabilized Prilled Ammonium Dinitramide Particles, and Process For Making the Same	6136115	24-Oct-2000	09/108383	Alliant Techsystems Inc.

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**TRADEMARK**  
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High Energy Gun Propellants	6241833	05-Jun-2001	09/116744	Alliant Techsystems Inc.
Supplemental-Restraint-System Gas Generating Device With Water-Soluble Polymeric Binder	6224099	01-May-2001	09/119517	Alliant Techsystems Inc.
Flares Having Igniters Formed From Extrudable Igniter Compositions	6170399	09-Jan-2001	09/119518	Alliant Techsystems Inc.
Multiple Axes Fiber Placement Machine	6096164	01-Aug-2000	09/135068	Alliant Techsystems Inc.
Temporally Redundant Latch For Preventing Single Event Disruptions in Sequential Integrated Circuits	6127864	03-Oct-2000	09/136872	Alliant Techsystems Inc.
Sabot Anti-Splitting Ring	6186094	13-Feb-2001	09/140512	Alliant Techsystems Inc.
Electrostatic Arming Apparatus For an Explosive Projectile	6196130	06-Mar-2001	09/158048	Alliant Techsystems Inc.
Simplified Tailored Composite Architecture	6125764	03-Oct-2000	09/160952	Alliant Techsystems Inc.
Thermal Welding of Fiber Reinforced Thermoplastic Prepreg	6162314	19-Dec-2000	09/162680	Alliant Techsystems Inc.
Compression Mold	6241506	05-Jun-2001	09/162931	Alliant Techsystems Inc.
Solid Rocket Propellant	6066214	23-May-2000	09/183750	Alliant Techsystems Inc.
Improved Propulsion System	6357357	19-Mar-2002	09/227070	Alliant Techsystems Inc.
Vacuum Debulking Table For Thermoplastic Materials	6312247	06-Nov-2001	09/240164	Alliant Techsystems Inc.
Overwrap Tape End-Effector For Fiber Placement/Winding Machines	6544367	08-Apr-2003	09/241830	Alliant Techsystems Inc.
Captive Soft-Point Bullet	6178890	30-Jan-2001	09/256861	Federal Cartridge Company
Traveling Wave Slot Antenna and Method of Making Same	6191750	20-Feb-2001	09/262163	Alliant Techsystems Inc.
Joint For Connecting Extrudable Segments	6220779	24-Apr-2001	09/263212	Alliant Techsystems Inc.
Mechanical Actuator Assembly	6192684	27-Feb-2001	09/271549	Alliant Techsystems Inc.

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**TRADEMARK**  
**REEL: 005162 FRAME: 0272**

Ambiguity Removal and Angles-of-Arrival Estimation For Radially Polarized Conformal Arrays	6140963	31-Oct-2000	09/287256	Alliant Techsystems Inc.
Rocket Motor Throat Assembly With Zero Or Very Low Erosion Flow Surfaces	6209312	03-Apr-2001	09/288330	Alliant Techsystems Inc.
Gun-Launched Rocket	6094906	01-Aug-2000	09/301157	Alliant Techsystems Inc.
Transmitter Coil, Improved Fuze Setter Circuitry for Adaptively Tuning the Fuze Setter for Resonance and Current Difference Circuitry for Interpreting a Fuze Talkback Message	6176168	23-Jan-2001	09/302136	Alliant Techsystems Inc.
AOA Estimation and Polarization Induced Phase Correction Using a Conformal Array of Titled Antenna Elements	6195043	27-Feb-2001	09/311139	Alliant Techsystems Inc.
Solar Cell Array With Multiple Rows of Cells and Collapsible Reflectors	6177627	23-Jan-2001	09/337624	Alliant Techsystems Inc.
Increased Velocity-Performance-Range Bullet	6244187	12-Jun-2001	09/346182	Federal Cartridge Company
High Temperature Isostatic Pressure Bonding of Beryllium Pressure Vessels With an Interior Void	6264095	24-Jul-2001	09/350349	Alliant Techsystems Inc.
Moisture Seal For Composite Sabot With Depleted Uranium Penetrator	6279214	28-Aug-2001	09/353695	Alliant Techsystems Inc.
Low Shock Anti-Friction Release Device	6119984	19-Sep-2000	09/356200	Alliant Techsystems Inc.
Ammunition Detector	6343564	05-Feb-2002	09/360756	Alliant Techsystems Inc.
Process For The Large Scale Synthesis Of 4,10-Dintro-2,6,8,12-Tetraoxa-4,10-Diazatetracyclo-[5.5.0.05,903,11]-Dodecane	6107483	22-Aug-2000	09/362083	Alliant Techsystems Inc.

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**TRADEMARK**  
**REEL: 005162 FRAME: 0273**

Rocket Assembly Ablative Materials Formed From, as a Precursor, Staple Cellulosic Fibers, and Method of Insulating or Thermally Protecting a Rocket Assembly With the Same	6235359	22-May-2001	09/377186	Alliant Techsystems Inc.
Solar Concentrator Array	6091017	18-Jul-2000	09/379254	Alliant Techsystems Inc.
Cryogenic Thermal Switch Employing Materials Having Differing Coefficients of Thermal Expansion	6276144	21-Aug-2001	09/383897	Alliant Techsystems Inc.
Plastic Liner For Bayonet Primers	6272994	14-Aug-2001	09/386810	Alliant Techsystems Inc.
Method of Constructing Insulated Metal Dome Structure For a Rocket Motor	6554936	29-Apr-2003	09/391979	Alliant Techsystems Inc.
Method and Apparatus For Producing Fiber Reinforced Structures	6290799	18-Sep-2001	09/399691	Alliant Techsystems Inc.
Apparatus and Method For Producing a Spectrally Variable Radiation Source and Systems Including Same	6525814	25-Feb-2003	09/425595	Alliant Techsystems Inc.
Anti-Distortion Insert For Mounting Optical Elements on a Honeycomb Panel	6394722	28-May-2002	09/427390	Alliant Techsystems Inc.
Rubber-Epoxy Bonding Via an Interfacial Layer Containing Acrylates	6495259	17-Dec-2002	09/433321	Alliant Techsystems Inc.
Metal Complexes For Use as Gas Generants	6241281	05-Jun-2001	09/434274	Alliant Techsystems Inc.
High Temperature Isostatic Pressure Bonding of Hollow Beryllium Pressure Vessels Using a Bonding Flange	7163121	16-Jan-2007	09/434507	Alliant Techsystems Inc.
Gas Generating Eject Motor	6352030	05-Mar-2002	09/436357	Alliant Techsystems Inc.
Synthesis of Energetic Thermoplastic Elastomers Containing Oligomeric Urethane Linkages	6815522	09-Nov-2004	09/436440	Alliant Techsystems Inc.

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**TRADEMARK**  
**REEL: 005162 FRAME: 0274**

Range Rate Aiding in a Pulsed Radar System	6281833	28-Aug-2001	09/437828	Alliant Techsystems Inc.
Anti-Friction Release Device	6311930	06-Nov-2001	09/459799	Alliant Techsystems Inc.
Shared Memory Interface With Conventional Access and Synchronization Support	6795901	21-Sep-2004	09/466303	Alliant Techsystems Inc.
EPDM Rocket Motor Insulation	6566420	20-May-2003	09/481709	Alliant Techsystems Inc.
Antenna Data Compression Using Multi-Dipole Antenna	6437737	20-Aug-2002	09/491367	Alliant Techsystems Inc.
Multiple Pulse Cartridge Ignition System	7047885	23-May-2006	09/503524	Alliant Techsystems Inc./ARDEC
Hybrid Rocket Propulsion System Including Array of Hybrid or Fluid Attitude-Control Rocket Engines	6393830	28-May-2002	09/532301	Alliant Techsystems Inc.
Magnetically Sensed Second Environment Safety and Arming Device	7004072	28-Feb-2006	09/538785	Alliant Techsystems Inc.
End Closure Modules For Multi-Cell Pressure Vessels, And Pressure Vessels And Vehicles Containing The Same	6412650	02-Jul-2002	09/558628	Alliant Techsystems Inc.
Loop Heat Pipe Incorporating an Evaporator Having a Wick That is Liquid Superheat Tolerant and is Resistant to Back-Conduction	6382309	07-May-2002	09/571779	Alliant Techsystems Inc.
Solvent Application System	6343552	05-Feb-2002	09/587773	Alliant Techsystems Inc.
Alignment Fixture	6360666	26-Mar-2002	09/587962	Alliant Techsystems Inc.
Synthesis For 4,10-dinitro-2,6,8,12-tetraoxa,4,10-diazatetracyclo[5.5.0.0.05,903,11]-Dodecane	6512113	28-Jan-2003	09/589113	Alliant Techsystems Inc.
Reuseable Training Dispenser	6481327	19-Nov-2002	09/592481	Alliant Techsystems Inc.
High Range Resolution Radar Through Non-Uniform Sampling	6317074	13-Nov-2001	09/594894	Alliant Techsystems Inc.
Method of Manufacturing a	6478922	12-Nov-2002	09/594920	Alliant Techsystems Inc.

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**TRADEMARK**  
**REEL: 005162 FRAME: 0275**

Composite Structure Using a Conformable Locating Aperture System				
Captive Soft-Point Bullet	6305292	23-Oct-2001	09/597017	Federal Cartridge Company
Multi-Stage Rocket Motor Assembly Including Jettisonable Launch Motor Integrated With Flight Igniter	6481198	19-Nov-2002	09/604679	Alliant Techsystems Inc.
Method and Apparatus For Imaging a Field of Regard by Scanning the Field of View of an Imaging Electro-Optical System in a Series of Conical Arcs to Compensate For Image Rotation	6555803	29-Apr-2003	09/617372	Alliant Techsystems Inc.
Antigen Detection Device and Method	6620626	16-Sep-2003	09/636772	Alliant Techsystems Inc.
Polymerization of Poly(Glycidyl Nitrate) From High Purity Glycidyl Nitrate Synthesized From Glycerol	6362311	26-Mar-2002	09/688819	Alliant Techsystems Inc.
Ultrasonic Method of Fabricating a Thermosetting Matrix Fiber-Reinforced Composite Structure and the Product Thereof	6432236	13-Aug-2002	09/691970	Alliant Techsystems Inc.
Non-Toxic, Heavy-Metal-Free Shotshell Primer Mix	6544363	08-Apr-2003	09/702120	Federal Cartridge Company
Extrudable Black Body Decoy Flare Compositions	6432231	13-Aug-2002	09/735643	Alliant Techsystems Inc.
Method of Insulating a Case of a Solid Propellant Rocket Motor	6893597	17-May-2005	09/747192	Alliant Techsystems Inc.
Reduced Sensitivity Melt-Cast Explosives	6648998	18-Nov-2003	09/747303	Alliant Techsystems Inc./ARDEC
Device For Ultrasonically Consolidating Fiber Reinforced Composite Structures	6511563	28-Jan-2003	09/755422	Alliant Techsystems Inc.
Rocket Motor Nozzle Assemblies Having Vacuum Plasma-Sprayed Refractory Metal Shell Throat Inserts, Methods of Making, and	6711901	30-Mar-2004	09/765781	Alliant Techsystems Inc.

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**TRADEMARK**  
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Rocket Motors Including Same				
Method For Recovery Of Nitramines From Aluminized Energetic Materials	6610156	26-Aug-2003	09/784476	Alliant Techsystems Inc.
High Strength Reactive Materials	6593410	15-Jul-2003	09/789479	Alliant Techsystems Inc.
Nitrate-Ester Plasticized Energetic Compositions, Method of Making and Rocket Motor Assemblies Containing the Same	6632378	14-Oct-2003	09/797929	Alliant Techsystems Inc.
Specialized Military and Police Combination Tool	6671913	06-Jan-2004	09/798265	Alliant Techsystems Inc.
Method And Apparatus For Creating A Simulated Particle Pack	7085689	01-Aug-2006	09/805606	Alliant Techsystems Inc.
Pyrolytic Graphite Gauge for Measuring Heat Flux	6499289	31-Dec-2002	09/820403	Alliant Techsystems Inc.
Degradable Practice Mine	6539871	01-Apr-2003	09/821219	Alliant Techsystems Inc.
Method For The Synthesis Of Energetic Thermoplastic Elastomers In Non-Halogenated Solvents	6997997	14-Feb-2006	09/831411	Alliant Techsystems Inc.
Antenna Array Apparatus With Conformal Mounting Structure	6407711	18-Jun-2002	09/841829	Alliant Techsystems Inc.
Momentum Trap Ballistic Armor System	6718861	13-Apr-2004	09/887298	ATK/SWRI/IRA
Reduced Sensitivity, Melt-Pourable Tritonal Replacements	6964714	15-Nov-2005	09/893336	Alliant Techsystems Inc./ARDEC
Reduced Sensitivity, Melt-Pourable TNT Replacements	7067024	27-Jun-2006	09/893337	Alliant Techsystems Inc.
Phase Control in the Capillary Evaporators	6889754	10-May-2005	09/896561	Alliant Techsystems Inc.
Method and Apparatus For Measuring Bending in a Pin Member	6951137	04-Oct-2005	09/897003	Alliant Techsystems Inc.

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Method of Fabricating a Polymer-Matrix Fiber-Reinforced Composite and the Product Thereof	6585839	01-Jul-2003	09/906532	Alliant Techsystems Inc.
Spring Disc for Securing a Combustible Cartridge Case to a Case Base	6505560	14-Jan-2003	09/923852	Alliant Techsystems Inc.
Evaporator Employing a Liquid Superheat Tolerant Wick	6564860	20-May-2003	09/933589	Alliant Techsystems Inc.
Apparatus and Method For Reinforcing A Pressure Vessel	6719165	13-Apr-2004	09/938327	Alliant Techsystems Inc.
Rocket Nozzel Assembly Having Rotatable Variable Thrust Control Cylinders, and Rocket Assembly Comprising The Same	6651438	25-Nov-2003	09/941397	Alliant Techsystems Inc.
Transpiration Cooling of Rocket Engines	6606851	19-Aug-2003	09/946630	Alliant Techsystems Inc.
Captive Soft-Point Bullet	6530328	11-Mar-2003	09/948198	Federal Cartridge Company
Ordnance Control and Initiation System and Related Method	6718881	13-Apr-2004	09/949031	Alliant Techsystems Inc.
Rocket Thruster Comprising Load-Balanced Pintle Valve	7849695	14-Dec-2010	09/954126	Alliant Techsystems Inc.
Apparatus for Load Transfer Between Aerospace Vehicle Components, Aerospace Vehicles Including Same, and Method of Attachment of Aerospace Vehicle Components	6761335	13-Jul-2004	09/997642	Alliant Techsystems Inc.
Method for Processing Explosives Containing 2,4,6,8,10,12-Hexanitro-2,4,6,8,10,12-Hexaazatetracyclo[5.5.0.05,903,11]-Dodecane (CL-20) with Naphthenic and Paraffinic Oils	6736913	18-May-2004	10/000244	Alliant Techsystems Inc.
System For Performing Coupled Finite Analysis	7127380	24-Oct-2006	10/005752	Alliant Techsystems Inc.
Bullet For Optimal Penetration and Expansion	6805057	19-Oct-2004	10/007604	Federal Cartridge Company

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System and Method For Measuring Stress at an Interface	6776049	17-Aug-2004	10/016479	Alliant Techsystems Inc.
Rocket Motors With Insensitive Munitions Systems	6619029	16-Sep-2003	10/016697	Alliant Techsystems Inc.
Crystallization of 2,4,6,8,10,12-Hexanitro-2,4,6,8,10,12-Hexaazatetracyclo[5.5.0.0.5.903.11]-Dodecane	6992185	31-Jan-2006	10/042522	Alliant Techsystems Inc.
Fiber-Reinforced Rocket Motor Insulation	6691505	17-Feb-2004	10/046132	Alliant Techsystems Inc.
Strain Control Device For Attaching Transmission Lines to Deformable Structures and Methods Employing Same	6770821	03-Aug-2004	10/056943	Alliant Techsystems Inc.
Process For The Synthesis and Recovery of Nitramines	6603018	05-Aug-2003	10/060051	Alliant Techsystems Inc.
Hydration Pouch With Detachable Hose	6722533	20-Apr-2004	10/085626	Alliant Techsystems Inc.
Method of Manufacturing a Soft Point Bullet	6581503	24-Jun-2003	10/098647	Alliant Techsystems Inc.
System and Method For Optical Communication	7149434	12-Dec-2006	10/107528	Alliant Techsystems Inc.
High Strength Rubber Formulations, and Shear Ply Made From the Same	6750293	15-Jun-2004	10/107594	Alliant Techsystems Inc.
Composite Conformable Pressure Vessel	RE41142	23-Feb-2010	10/113135	Alliant Techsystems Inc.
Structures Including Synchronously Deployable Frame Members and Methods of Deploying the Same	7211722	01-May-2007	10/117314	Alliant Techsystems Inc.
Pressure-Actuated Joint System	6711890	30-Mar-2004	10/132950	Alliant Techsystems Inc.
Projectile Structure	7051659	30-May-2006	10/164718	Alliant Techsystems Inc.
Radio Frequency Component and Method For Making Same	7095379	22-Aug-2006	10/164990	Alliant Techsystems Inc./NASA
Method and Apparatus For Detecting and Determining Event Characteristics With	7240564	10-Jul-2007	10/208518	Alliant Techsystems Inc.

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Reduced Data Collection				
Low-Sensitivity Explosive Compositions And Method For Making Explosive Compositions	6881283	19-Apr-2005	10/210863	Alliant Techsystems Inc./ARDEC
Ammunition Reloading Apparatus With Feed Mechanism	6772668	10-Aug-2004	10/214977	Alliant Techsystems Inc.
Radar-Filtered Projectile	7079070	18-Jul-2006	10/215475	Alliant Techsystems Inc.
Electrostatically Clean Solar Array	6713670	30-Mar-2004	10/219849	Alliant Techsystems Inc.
Recoil System For the Receiver of a Firearm	6732466	11-May-2004	10/223818	Alliant Techsystems Inc.
Goggle Shield	6907617	21-Jun-2005	10/248595	Eagle Industries Unlimited, Inc.
Digital Signal Gating Apparatus and Method in a Pulse Receiver System	7082172	25-Jul-2006	10/268170	Alliant Techsystems Inc.
Pulse Sorting Apparatus For Frequency Histogramming in a Radar Receiver System	7184493	27-Feb-2007	10/270864	Alliant Techsystems Inc.
Integration of a Semi-Active Laser Seeker into the DSU-33 Proximity Sensor	6919840	19-Jul-2005	10/301522	Alliant Techsystems Inc.
Guided Munitions Electronics Package and Method	6744637	01-Jun-2004	10/307127	Alliant Techsystems Inc.
EPDM Rocket Motor Insulation	6787586	07-Sep-2004	10/310005	Alliant Techsystems Inc.
Continuous Process and System For Production of Glycidyl Nitrate From Glycerin, Nitric Acid And Caustic and Conversion of Glycidyl Nitrate to Poly (Glycidyl Nitrate)	6870061	22-Mar-2005	10/340167	Alliant Techsystems Inc.
Electromagnetic-Field Polarization Twister	6906685	14-Jun-2005	10/348044	Alliant Techsystems Inc.
Centerport Inhibitor For a Solid Propellant Rocket Motor, a Solid Propellant Rocket Motor	7956104	07-Jun-2011	10/369488	Alliant Techsystems Inc.

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Including Same, and a Method of Inhibiting a Centerport of a Solid Propellant Rocket Motor				
Incremental Pressurization Fluctuation Counter and Methods Therefor	6959605	01-Nov-2005	10/377273	Alliant Techsystems Inc.
Propellant Formulation	7011722	14-Mar-2006	10/383656	Alliant Techsystems Inc.
Electronic Switching System For a Detonation Device	6992877	31-Jan-2006	10/386578	Alliant Techsystems Inc.
Low Temperature, Extrudable, High Density Reactive Materials	6962634	08-Nov-2005	10/386617	Alliant Techsystems Inc.
Wick Having Liquid Superheat Tolerance and Being Resistant to Back-Conduction, Evaporator Employing a Liquid Superheat Tolerant Wick, and Loop Heat Pipe Incorporating Same	6915843	12-Jul-2005	10/388955	Alliant Techsystems Inc.
Soft Point Bullet	6732657	11-May-2004	10/421049	Alliant Techsystems Inc.
Fiber Redirect System, Multi-Axis Robotic Wrist and Fiber Placement Apparatus Incorporating Same and Related Methods	6994324	07-Feb-2006	10/428332	Alliant Techsystems Inc.
System and Method For Integrating Antennas into a Vehicle Rear-Deck Spoiler	6927736	09-Aug-2005	10/440449	Alliant Techsystems Inc.
Fuze Explosive Ordnance Disposal Circuit	6966261	22-Nov-2005	10/441665	Alliant Techsystems Inc.
Wide Field Collimator	7159986	09-Jan-2007	10/441915	Alliant Techsystems Inc.
Rocket Assembly Ablative Materials Formed From, as a Precursor, Staple Cellulosic Fibers, and Method of Insulating or Thermally Protecting a Rocket Assembly With the Same	RE43867	18-Dec-2012	10/444056	Alliant Techsystems Inc.
High Strength Reactive Materials and Methods of Making	7307117	11-Dec-2007	10/462437	Alliant Techsystems Inc.

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Elastomeric Rocket Motor Insulation	7012107	14-Mar-2006	10/463751	Alliant Techsystems Inc.
Heat Transport System	7004240	28-Feb-2006	10/602022	Alliant Techsystems Inc.
Cut Away Vest	7047570	23-May-2006	10/604283	Eagle Industries Unlimited, Inc.
Moisture-Resistant Black Powder Substitute Compositions	7459043	02-Dec-2008	10/631545	Alliant Techsystems Inc.
Apparatus For Forming Composite Stiffeners and Reinforcing Structures	7249943	31-Jul-2007	10/633025	Alliant Techsystems Inc.
High Temperature Crystallization of 2,4,6,8,10,12-Hexanitro -2,4,6,8,10,12-Hexaazatetracyclo[5.5.0.0(5,9)0(3,11)]-Dodecane	7288648	30-Oct-2007	10/636373	Alliant Techsystems Inc.
Rocket Motors With Insensitive Munitions Systems and Projectiles Including Same	6966264	22-Nov-2005	10/645706	Alliant Techsystems Inc.
Obturator For Large Caliber Smooth Bore Ammunition	6782830	31-Aug-2004	10/660417	Alliant Techsystems Inc.
Fixed Canard 2-D Guidance of Artillery Projectiles	6981672	03-Jan-2006	10/664223	Alliant Techsystems Inc.
Evaporator For a Heat Transfer System	8136580	20-Mar-2012	10/676265	Alliant Techsystems Inc.
Heat Transfer System	7708053	04-May-2010	10/694387	Alliant Techsystems Inc.
Cut Away Vest	7020897	04-Apr-2006	10/708313	Eagle Industries Unlimited, Inc.
Method and Apparatus For Suppression of Fires	7337856	04-Mar-2008	10/727093	Alliant Techsystems Inc.
Steerable, Intermittently Operable Rocket Propulsion System	7281367	16-Oct-2007	10/728733	Alliant Techsystems Inc.
Apparatus and Method For Reinforcing A Pressure Vessel	7316327	08-Jan-2008	10/731774	Alliant Techsystems Inc.
Deployable Truss Having Second Order Augmentation	7694486	13-Apr-2010	10/734726	Alliant Techsystems Inc.

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Smooth Bore Second Environment Sensing	6951161	04-Oct-2005	10/737032	Alliant Techsystems Inc.
Honeycomb Core Composite Article and Method and Apparatus For Making Same	7083753	01-Aug-2006	10/737687	Alliant Techsystems Inc.
Ordnance System With Common Bus, Method of Operation and Aerospace Vehicle Including Same	7261028	28-Aug-2007	10/744930	Alliant Techsystems Inc.
Rocket Motor Nozzle Assemblies Having Vacuum Plasma-Sprayed Refractory Metal Shell Throat Inserts, Methods of Making, and Rocket Motors Including Same	6904755	14-Jun-2005	10/768731	Alliant Techsystems Inc.
Holster Holder Device	7320420	22-Jan-2008	10/777859	Alliant Techsystems Inc.
Reduced Energy Training Cartridge For Self-Loading Firearms	7225741	05-Jun-2007	10/799898	Federal Cartridge Company
Multi-Layered Momentum Trap Ballistic Armor	7077048	18-Jul-2006	10/805955	ATK/SWRI/IRA
Disposable Pouch Hydration System	7311231	25-Dec-2007	10/821574	Alliant Techsystems Inc.
Non-Lethal Marking Bullet For Related Training Cartridges	7278358	09-Oct-2007	10/846883	Federal Cartridge Company
Manual Container Lifter	6997492	14-Feb-2006	10/850260	Alliant Techsystems Inc.
Second Environment Sensing in Smart Bombs	7370584	13-May-2008	10/858809	Alliant Techsystems Inc.
Strain Control Device For Attaching Transmission Lines to Deformable Structures and Methods Employing Same	6959491	01-Nov-2005	10/871149	Alliant Techsystems Inc.
Hooded Holster	7434712	14-Oct-2008	10/888047	Alliant Techsystems Inc.
Thermal Management System	7549461	23-Jun-2009	10/890382	Alliant Techsystems Inc.
Apparatus and Methods For Forming Composite Stiffeners and Reinforcing Structures	7513769	07-Apr-2009	10/903871	Alliant Techsystems Inc.
Slug Ball Ammunition	7607393	27-Oct-2009	10/915210	Alliant Techsystems Inc.

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Fuze With Electronic Sterilization	7334523	26-Feb-2008	10/929931	Alliant Techsystems Inc.
Novel EPDM Rocket Motor Insulation	7371784	13-May-2008	10/931778	Alliant Techsystems Inc.
Method of Insulating a Case of a Solid Propellant Rocket Motor	7410607	12-Aug-2008	10/938446	Alliant Techsystems Inc.
Method For the Production of Alpha-Alane	6984746	10-Jan-2006	10/947078	Alliant Techsystems Inc.
Manufacture of a Heat Transfer System	7251889	07-Aug-2007	10/974968	Alliant Techsystems Inc.
Spin Sensor For Low Spin Munitions	8113118	14-Feb-2012	10/994497	Alliant Techsystems Inc.
Method and Apparatus For Autonomous Detonation Delay in Munitions	7124689	24-Oct-2006	10/994754	Alliant Techsystems Inc.
Method and System For Wide-Area Ultraviolet Detection of Forensic Evidence	7545969	09-Jun-2009	11/014524	Alliant Techsystems Inc.
Holster Retention System	7841497	30-Nov-2010	11/030270	Alliant Techsystems Inc.
Reactive Material Enhanced Projectiles and Related Methods	7603951	20-Oct-2009	11/079925	Alliant Techsystems Inc.
Deployable Structural Assemblies, Systems For Deploying Such Structural Assemblies	8042305	25-Oct-2011	11/080357	Alliant Techsystems Inc.
Polyoxymethylene as Structural Support Member and Propellant	7647763	19-Jan-2010	11/086789	ATK/Physical Sciences Inc.
Method of Applying Ablative Insulation Coatings and Articles Obtained Therefrom	7198231	03-Apr-2007	11/091661	Alliant Techsystems Inc.
Recoil System For the Forend of a Firearm	7340857	11-Mar-2008	11/132872	Alliant Techsystems Inc.
Method For Detection of Media Layer By a Penetrating Weapon and Related Apparatus and Systems	7197982	03-Apr-2007	11/147980	Alliant Techsystems Inc.

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Method For Delayed Detonation of a Penetrating Weapon and Related Apparatus and Systems	7314004	01-Jan-2008	11/148955	Alliant Techsystems Inc.
Microstrip Log-Periodic Antenna Array Having Grounded Semi-Coplanar Waveguide-To-Microstrip Line Transition	7292197	06-Nov-2007	11/163119	Alliant Techsystems Inc.
Capacitive Drive Antenna and an Air Vehicle So Equipped	7339537	04-Mar-2008	11/163271	Alliant Techsystems Inc.
Light Sensor Module, Focused Light Sensor Array, and an Air Vehicle So Equipped	7397019	08-Jul-2008	11/163446	Alliant Techsystems Inc.
Evaporators Including a Capillary Wick and a Plurality of Vapor Grooves and Two-Phase Heat Transfer Systems Including Such Evaporators	8397798	19-Mar-2013	11/167759	Alliant Techsystems Inc.
Electronic Switching System For a Detonation Device, Method of Operation and Explosive Device Including The Same	7301750	27-Nov-2007	11/170261	Alliant Techsystems Inc.
Solar Cell Array	7301095	27-Nov-2007	11/249143	Alliant Techsystems Inc.
Lighting Device Having a Multi-Position Switch Assembly	7281815	16-Oct-2007	11/254159	Alliant Techsystems Inc.
Evaporator For Use in a Heat Transfer System	7848624	07-Dec-2010	11/257396	Alliant Techsystems Inc.
Evaporator For Use in a Heat Transfer System	7661464	16-Feb-2010	11/275105	Alliant Techsystems Inc.
Cut Away Vest	7243376	17-Jul-2007	11/278905	Eagle Industries Unlimited, Inc.
Fuze Explosive Ordnance Disposal (EOD) Circuit	7331290	19-Feb-2008	11/284511	Alliant Techsystems Inc.
Method For the Production of Alpha-Alane	7238336	03-Jul-2007	11/329201	Alliant Techsystems Inc.
Non-Contact Deviation Measurement System	7383152	03-Jun-2008	11/329215	Alliant Techsystems Inc.

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Digital Method and Apparatus For Resolving Shaft Position	7205916	17-Apr-2007	11/341706	Alliant Techsystems Inc.
Digital Method and Apparatus For Sensing Position With a Linear Variable Differential Transformer	7248994	24-Jul-2007	11/341738	Alliant Techsystems Inc.
Roll Orientation Using Turns-Counting Fuze	7566027	28-Jul-2009	11/342736	Alliant Techsystems Inc.
Fiber Redirect System, Multi-Axis Robotic Wrist and Fiber Placement Apparatus Incorporating Same and Related Methods	7467782	23-Dec-2008	11/348537	Alliant Techsystems Inc.
Retention Holster Having a Guard and Guard Release	8235263	07-Aug-2012	11/350130	Alliant Techsystems Inc.
Two-Phase Heat Transfer System Including a Thermal Capacitance Device	7882888	08-Feb-2011	11/359766	Alliant Techsystems Inc.
Thermoformed Frequency Selective Surface	7414593	19-Aug-2008	11/362442	Alliant Techsystems Inc.
Propulsion Thrust Control System and Method	7716912	18-May-2010	11/366252	Alliant Techsystems Inc.
Nontoxic, Noncorrosive Phosphorus-Based Primer Compositions	7857921	28-Dec-2010	11/367000	Alliant Techsystems Inc.
Non-Lethal Payloads	8172966	08-May-2012	11/369908	Alliant Techsystems Inc.
High Heat Flux Evaporator	7931072	26-Apr-2011	11/383740	Alliant Techsystems Inc.
Two-Phase Heat Transfer System and Evaporators and Condensers For Use in Heat Transfer Systems	8047268	01-Nov-2011	11/383953	Alliant Techsystems Inc.
Deployable Structural Assemblies, Systems For Deploying Such Structural Assemblies and Related Methods	7694465	13-Apr-2010	11/400718	Alliant Techsystems Inc.
Man-Rated Fire Suppression System and Related Methods	8408322	02-Apr-2013	11/409257	Alliant Techsystems Inc.
Quick Release System For Armor Plates in a Ballistic	7424748	16-Sep-2008	11/422364	Eagle Industries Unlimited, Inc.

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Resistant Vest and Method				
Basalt Fiber and Nanoclay Compositions, Articles Incorporating the Same, and Methods of Insulating a Rocket Motor With the Same	7767746	03-Aug-2010	11/431387	Alliant Techsystems Inc.
Multi-Colored Visishot Paper Targets	8444056	21-May-2013	11/432021	Alliant Techsystems Inc.
Methods and Devices for Measuring Volume Resistivity	7609073	27-Oct-2009	11/438084	Alliant Techsystems Inc.
Cooling System For High Speed Vehicles and Method of Cooling High-Speed Vehicles	7963100	21-Jun-2011	11/442677	Alliant Techsystems Inc.
Impact Resistant Explosive Compositions	7744710	29-Jun-2010	11/445910	Alliant Techsystems Inc.
Compaction Device For Fiber Placement Using Interdependent Segment Travel	8042594	25-Oct-2011	11/476455	Alliant Techsystems Inc.
Apparatus and Methods For Filtering Granular Solid Material	7905358	15-Mar-2011	11/482881	Alliant Techsystems Inc.
Cyclic Nitro Compounds, Pharmaceutical Compositions Thereof and Uses Thereof	7507842	24-Mar-2009	11/502810	Alliant Techsystems Inc./RadioRX
Recoil System For the Forend of a Firearm	7770318	10-Aug-2010	11/511805	Alliant Techsystems Inc.
Weapons and Weapon Components Incorporating Reactive Materials	7614348	10-Nov-2009	11/512058	Alliant Techsystems Inc.
Flares Including Reactive Foil For Igniting a Combustible Grain Thereof and Methods of Fabricating and Igniting Such Flares	7469640	30-Dec-2008	11/536574	Alliant Techsystems Inc.
Reactive Material Enhanced Projectiles and Related Methods	8122833	28-Feb-2012	11/538763	Alliant Techsystems Inc.
Methods and Apparatuses For Electronic Time Delay and Systems Including Same	8002026	23-Aug-2011	11/553361	Alliant Techsystems Inc.

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One Pot Procedure For Poly (Glycidyl Nitrate) End Modification	7714078	11-May-2010	11/553752	Alliant Techsystems Inc.
Relaxation Modulus Sensor, Structure Incorporating Same, and Method For Use of Same	7581450	01-Sep-2009	11/555029	Alliant Techsystems Inc.
Adaptive Structures, Systems Incorporating Same and Related Methods	7913928	29-Mar-2011	11/556988	Alliant Techsystems Inc./Columbia University
Igniter Safe and Arm, Igniter Assembly and Flare So Equipped and Method of Providing a Safety For an Igniter Assembly	7726243	01-Jun-2010	11/559867	Alliant Techsystems Inc.
Methods and Apparatuses For Projectile Fuze Setback Generator Power Source and Projectiles Including Same	7669532	02-Mar-2010	11/560991	Alliant Techsystems Inc.
Method and Apparatus For Munition Timing and Munitions Incorporating Same	7926402	19-Apr-2011	11/564714	Alliant Techsystems Inc.
Modular Cheek Rest and Storage Assembly	7805873	05-Oct-2010	11/594578	Alliant Techsystems Inc.
Fuze Mounting For a Penetrator and Method Thereof	7549374	23-Jun-2009	11/613441	Alliant Techsystems Inc.
Accelerometer Mounting For a Penetrator and Method Thereof	7552682	30-Jun-2009	11/613497	Alliant Techsystems Inc.
Reduced Energy Training Cartridge For Self-Loading Firearms	7621208	24-Nov-2009	11/616843	Federal Cartridge Company
Reactive Compositions Including Metal	8075715	13-Dec-2011	11/620205	Alliant Techsystems Inc.
Quick Release Garment	7987523	02-Aug-2011	11/627356	Eagle Industries Unlimited, Inc.
Quick Release Garment	8490212	23-Jul-2013	11/671068	Eagle Industries Unlimited, Inc.
Reactive Material Compositions, Shot Shells Including Reactive Materials, and a Method of Producing Same	7977420	12-Jul-2011	11/690016	Alliant Techsystems Inc.

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Flow Through Reservoir For Core Sweepage	8567486	29-Oct-2013	11/690110	Alliant Techsystems Inc.
Modular Equipment Coupler	8079503	20-Dec-2011	11/703882	Alliant Techsystems Inc.
Folding Gunstock	7698848	20-Apr-2010	11/704023	Alliant Techsystems Inc.
Non-Toxic Percussion Primers and Methods of Preparing The Same	8202377	19-Jun-2012	11/704530	Alliant Techsystems Inc.
Modular System Rifle Stock	7665240	23-Feb-2010	11/704537	Alliant Techsystems Inc.
Ionic Liquid and a Method of Synthesizing an Ionic Liquid	8012277	06-Sep-2011	11/735105	Alliant Techsystems Inc.
Methods of Producing 1,3,5-Triamino-2,4,6-Trinitrobenzene	8030521	04-Oct-2011	11/744986	Alliant Techsystems Inc.
Magnetometer Transducer Sampling Front End Amplifier and Processor	7372259	13-May-2008	11/758825	Alliant Techsystems Inc.
Thermal Protection System and Related Methods	8276361	02-Oct-2012	11/763280	Alliant Techsystems Inc.
Firearm Stock Conversion Method	7673413	09-Mar-2010	11/796592	Alliant Techsystems Inc.
Methods For Forming Composite Stiffeners and Reinforcing Structures	8226787	24-Jul-2012	11/831759	Alliant Techsystems Inc.
Traumatic Brain Injury Biomarker Diagnostic	7955617	07-Jun-2011	11/834493	Alliant Techsystems Inc.
Non-Lethal Marking Bullet For Related Training Cartridges	8146505	03-Apr-2012	11/852181	Federal Cartridge Company
RF Receiving and Transmitting Apparatuses Having a Microstrip-Slot Log-Periodic Antenna	7583233	01-Sep-2009	11/861477	Alliant Techsystems Inc.
Methods and Apparatuses For Electronic Time Delay and Systems Including Same	7789153	07-Sep-2010	11/876841	Alliant Techsystems Inc.
Releasable Vest	8418265	16-Apr-2013	11/895718	Alliant Techsystems Inc.
Lightning Device	7802898	28-Sep-2010	11/900157	Alliant Techsystems Inc.
Paddle Platform	7866515	11-Jan-2011	11/906628	Alliant Techsystems Inc.

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**TRADEMARK**  
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Universal Mounting Platform	8297562	30-Oct-2012	11/906629	Alliant Techsystems Inc.
Energy Capture Circuit	7884579	08-Feb-2011	11/925188	Alliant Techsystems Inc.
Dual Fault Safe Arm Device, Adaptive Structures Therewith and Safety and Reliability Features Therefor	7784404	31-Aug-2010	11/933883	Alliant Techsystems Inc.
Rapid Acquisition Shooting System	8123180	28-Feb-2012	11/934431	Alliant Techsystems Inc.
Shotshell With Shot Pellets Having Multiple Shapes	7765933	03-Aug-2010	11/936012	Alliant Techsystems Inc.
Resolution Antenna Array Using Metamaterials	7928900	19-Apr-2011	11/955795	Alliant Techsystems Inc.
Hydration System	7806300	05-Oct-2010	11/982683	Alliant Techsystems Inc.
Offset Accessory Mount	7735255	15-Jun-2010	11/985659	Alliant Techsystems Inc.
Offset Mountable Light Accessory	7954971	07-Jun-2011	11/985668	Alliant Techsystems Inc.
Recoil System	7685755	30-Mar-2010	12/008558	Alliant Techsystems Inc.
Methods of Preventing Initiation of Explosive Devices	7810421	12-Oct-2010	12/020491	Alliant Techsystems Inc.
Non-Toxic Percussion Primers and Methods of Preparing The Same	8192568	05-Jun-2012	12/029084	Alliant Techsystems Inc.
Method and Apparatus For Suppression of Fires	7845423	07-Dec-2010	12/042200	Alliant Techsystems Inc.
Methods and Systems For Verifying Sensor Bond Integrity	8147135	03-Apr-2012	12/046553	Alliant Techsystems Inc.
Suspension System and Chin Strap Assembly For a Helmet	7770239	10-Aug-2010	12/079156	Alliant Techsystems Inc.
Muzzleloader Ammunition	7726245	01-Jun-2010	12/109472	Alliant Techsystems Inc.
Reactive Material Enhanced Munition Compositions and Projectiles Containing Same	8568541	29-Oct-2013	12/127627	Alliant Techsystems Inc.
Non-Contact Deviation Measurement System	7983873	19-Jul-2011	12/131613	Alliant Techsystems Inc.

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**TRADEMARK**  
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Hypersonic Inlet Systems and Methods	8292217	23-Oct-2012	12/133289	Alliant Techsystems Inc./Boeing
Optical Devices Comprising Doped Glass Materials, Laser Systems Including Such Optical Devices, and Methods of Forming Such Optical Devices and Laser Systems	8218593	10-Jul-2012	12/179391	Alliant Techsystems Inc.
NonToxic, Noncorrosive Phosphorus-Based Primer Compositions and an Ordnance Element Including the Same	8540828	24-Sep-2013	12/194437	Alliant Techsystems Inc.
Hooded Holster	8177108	15-May-2012	12/231476	Alliant Techsystems Inc.
Multifunctional Radiation-Hardened Laminate	8460777	11-Jun-2013	12/247090	Alliant Techsystems Inc.
Methods of Fabricating and Igniting Flares Including Reactive Foil and a Combustible Grain	7690308	06-Apr-2010	12/250081	Alliant Techsystems Inc.
Methods of Synthesizing Cyclic Nitro Compounds	7745643	29-Jun-2010	12/252278	Alliant Techsystems Inc./RadioRX
Recoil Suppression System For the Stock of a Firearm	7926216	19-Apr-2011	12/263645	Alliant Techsystems Inc.
Torsion Spring Recoil System For the Forend of a Firearm	7954268	07-Jun-2011	12/263656	Alliant Techsystems Inc.
Unmanned Air Vehicle Weapon Adapter	8297172	30-Oct-2012	12/269731	Alliant Techsystems Inc.
Apparatus and Methods For Forming Composite Stiffeners and Reinforcing Structures	7820092	26-Oct-2010	12/323325	Alliant Techsystems Inc.
Apparatus and Methods For Forming Composite Stiffeners and Reinforcing Structures	7819651	26-Oct-2010	12/323382	Alliant Techsystems Inc.
Apparatus and Methods For Forming Composite Stiffeners and Reinforcing Structures	7767128	03-Aug-2010	12/323403	Alliant Techsystems Inc.
Stiffener Tool Positioning Apparatus	8052823	08-Nov-2011	12/363547	Alliant Techsystems Inc.
Animal Vest Sizing Device and Method	7814673	19-Oct-2010	12/369557	Eagle Industries Unlimited, Inc.

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**TRADEMARK**  
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Lightning Directing System	7915525	29-Mar-2011	12/391383	Alliant Techsystems Inc.
Cyclic Nitro Compounds, Pharmaceutical Compositions Thereof and Uses Thereof	8299053	30-Oct-2012	12/397651	Alliant Techsystems Inc./RadioRX
Neutron Detection by Neutron Capture-Initiated Relaxation of a Ferroelectrically, Ferromagnetically and/or Chemically Metastable Material	8203123	19-Jun-2012	12/401097	Alliant Techsystems Inc.
Electromagnetically Pumped Alkali Metal Vapor Cell System	7929586	19-Apr-2011	12/404593	Alliant Techsystems Inc.
Methods and Systems For Measuring Target Movement With an Interferometer	8223342	17-Jul-2012	12/404815	Alliant Techsystems Inc.
Apparatus and Synthetic Weapon Stabilization and Firing	8141473	27-Mar-2012	12/406778	Alliant Techsystems Inc.
Detonator Cartridge and Methods of Use	8100043	24-Jan-2012	12/411762	Alliant Techsystems Inc./Reynolds Systems, Inc.
Helical Cross Flow (HCF) Pulse Detonation Engine	8438834	14-May-2013	12/414281	Alliant Techsystems Inc.
Thermal Management System	8066055	29-Nov-2011	12/426001	Alliant Techsystems Inc.
Fuze Mounting For a Penetrator and Method Thereof	7814834	19-Oct-2010	12/434826	Alliant Techsystems Inc.
Fuze Mounting Assemblies For Penetrator Weapons	7802518	28-Sep-2010	12/434839	Alliant Techsystems Inc.
Case Activation Bullet Feeding	8122808	28-Feb-2012	12/435138	Alliant Techsystems Inc.
Broadband Patch Antenna and Antenna System	8232924	31-Jul-2012	12/465835	Alliant Techsystems Inc.
Closed-Cycle Rocket Engine Assemblies and Methods of Operating Such Rocket Engine Assemblies	8381508	26-Feb-2013	12/473383	Alliant Techsystems Inc.
Methods For the Production of 1,3,5-Triamino-2,4,6-Trinitrobenzene	7763753	27-Jul-2010	12/484917	Alliant Techsystems Inc.
Methods For Nitrating Compounds	7737308	15-Jun-2010	12/484960	Alliant Techsystems Inc.

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**TRADEMARK**  
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Methods of Producing 1,3,5-Triamino-2,4,6-Trinitrobenzene	7910776	22-Mar-2011	12/484985	Alliant Techsystems Inc.
Reactive Material Enhanced Projectiles, Devices For Generating Reactive Material Enhanced Projectiles and Related Methods	8443731	21-May-2013	12/510017	Alliant Techsystems Inc.
Projectiles For Marking Targets, Methods of Manufacturing the Same, and Methods of Utilizing the Same	8286557	16-Oct-2012	12/534450	Alliant Techsystems Inc.
Apparatus, Systems and Methods for the Production of Hydrogen	8263027	11-Sep-2012	12/540331	Alliant Techsystems Inc.
Firearm Support Devices and Related Methods	8474170	02-Jul-2013	12/551274	Alliant Techsystems Inc.
Methods and Apparatuses For Electro-Mechanical Safety and Arming of a Projectile	8291825	23-Oct-2012	12/557028	Alliant Techsystems Inc.
Methods of Forming a Sensitized Explosive and a Percussion Primer	8282751	09-Oct-2012	12/559218	Alliant Techsystems Inc.
Methods and Systems For Producing Hydrogen and System For Producing Power	8420267	16-Apr-2013	12/581735	Alliant Techsystems Inc.
Automated Composite Annular Structure Forming	8282757	09-Oct-2012	12/615908	Alliant Techsystems Inc.
Methods of Purifying 1,2,4-Butanetriol	8367877	05-Feb-2013	12/620131	Alliant Techsystems Inc.
Reduced Energy Training Cartridge For Self-Loading Firearms	7984668	26-Jul-2011	12/625033	Federal Cartridge Company
Heat Transfer System	8109325	07-Feb-2012	12/650394	Alliant Techsystems Inc.
Recoil Reducing Systems For a Stock	8205371	26-Jun-2012	12/657652	Alliant Techsystems Inc.
Folding Gunstock	8109026	07-Feb-2012	12/660632	Alliant Techsystems Inc.
Deployable Truss Having Second Order Augmentation	8006462	30-Aug-2011	12/683344	Alliant Techsystems Inc.

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**TRADEMARK**  
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Method For Fabricating Structural Propellants	8033021	11-Oct-2011	12/689562	ATK/Physical Sciences Inc.
Methods of Synthesizing and Isolating N-(Bromoacetyl)-3,3-Dinitroazetidine and a Composition Including the Same	8471041	25-Jun-2013	12/702782	Alliant Techsystems Inc.
Initiator Modules, Munitions Systems Including Initiator Modules, and Related Methods	8408132	02-Apr-2013	12/723446	Alliant Techsystems Inc.
Rotatable Accessory Attachment Platform	8251266	28-Aug-2012	12/734012	Alliant Techsystems Inc.
Adjustable, Detachable Accessory Attachment System	8517234	27-Aug-2013	12/736522	Alliant Techsystems Inc.
Non-Toxic, Heavy-Metal Free Sensitized Explosive Percussion Primers and Methods of Preparing the Same	8206522	26-Jun-2012	12/751607	Alliant Techsystems Inc.
Methods of Controlling Thrust in a Rocket Motor	8539751	24-Sep-2013	12/760069	Alliant Techsystems Inc.
Rocket Motors Incorporating Basalt Fibers and Nanoclay Compositions and Methods of Insulating a Rocket Motor with the Same	7968620	28-Jun-2011	12/765585	Alliant Techsystems Inc.
Methods of Synthesizing Cyclic Nitro Compounds	8178698	15-May-2012	12/788014	Alliant Techsystems Inc./RadioRX
Portable Laser Source	8085828	27-Dec-2011	12/795222	ATK/Pollack Laboratories, Inc.
Force Measuring Device and Related Methods	8353222	15-Jan-2013	12/797127	Alliant Techsystems Inc.
Recoil System For the Forend of a Firearm	8201354	19-Jun-2012	12/798810	Alliant Techsystems Inc.
Offset Accessory Mount and Mounting System	8132355	13-Mar-2012	12/799959	Alliant Techsystems Inc.
Contact Switch For a Lighting Device	8469540	25-Jun-2013	12/806788	Alliant Techsystems Inc.
Dual Fault Safe and Arm Device, Adaptive Structures Therewith and Safety and	8141490	27-Mar-2012	12/842767	Alliant Techsystems Inc.

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**TRADEMARK**  
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Reliability Features Therefor				
Methods of Forming Radiation-Hardened Semiconductor Structures	8399312	19-Mar-2013	12/844684	Alliant Techsystems Inc.
Out-of-Autoclave and Alternative Oven Curing Using a Self-Heating Tool	8308889	13-Nov-2012	12/870556	Alliant Techsystems Inc.
Multilayer Backing Materials For Composite Armor	8505432	13-Aug-2013	12/879496	Alliant Techsystems Inc.
Apparatus and Methods For Forming Composite Stiffeners and Reinforcing Structures	8366981	05-Feb-2013	12/883030	Alliant Techsystems Inc.
Gas Generator	8162350	24-Apr-2012	12/900011	Alliant Techsystems Inc.
Methods and Apparatuses For Electrochemical Cell Monitoring and Control	8470464	25-Jun-2013	12/904830	Alliant Techsystems Inc.
Orbit Debris Removal and Asset Protection Assembly	8403269	26-Mar-2013	12/909935	Alliant Techsystems Inc.
Holster Retention System	8474670	02-Jul-2013	12/925648	Alliant Techsystems Inc.
Evaporators For Use in Heat Transfer Systems, Apparatus Including Such Evaporators and Related Methods	8549749	08-Oct-2013	12/960298	Alliant Techsystems Inc.
Rocket Thruster Assembly Comprising Load-Balanced Pintle Valve	8215097	10-Jul-2012	12/966854	Alliant Techsystems Inc.
Percussion Primers Comprising a Primer Composition and Ordnance Including the Same	8524018	03-Sep-2013	12/978080	Alliant Techsystems Inc.
Energy Capture Circuit	8493037	23-Jul-2013	13/020510	Alliant Techsystems Inc.
Methods and Apparatuses For Electrical Pulse Energy Capture	8446132	21-May-2013	13/020982	Alliant Techsystems Inc.
Adaptive Structures, Systems Incorporating Same and Related Methods	8534570	17-Sep-2013	13/072518	Alliant Techsystems Inc./Columbia University
Marking Ammunition	8485102	16-Jul-2013	13/087187	Alliant Techsystems Inc.

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**TRADEMARK**  
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Offset Mountable Accessory	8453369	04-Jun-2013	13/154126	Alliant Techsystems Inc.
Tourniquet System	8465514	18-Jun-2013	13/175430	Alliant Techsystems Inc.
Precursor of an Explosive Composition Including at Least One Ionic Liquid and a Method of Desensitizing an Explosive Composition	8425702	23-Apr-2013	13/177263	Alliant Techsystems Inc.
Projectiles For Marking Targets and Methods of Manufacturing Such Projectiles	8359978	29-Jan-2013	13/234963	Alliant Techsystems Inc.
Reactive Compositions Including Metal	8361258	29-Jan-2013	13/277999	Alliant Techsystems Inc.
Detonator Cartridge	8210083	03-Jul-2012	13/351559	Alliant Techsystems Inc./Reynolds Systems, Inc.
Apparatus For Synthetic Weapon Stabilization and Firing	8555771	15-Oct-2013	13/420441	Alliant Techsystems Inc.
Non-Lethal Marking Bullet For Related Training Cartridges	8539885	24-Sep-2013	13/437743	Federal Cartridge Company
Holster With Hood Assembly	8517235	27-Aug-2013	13/446273	Alliant Techsystems Inc.
Non-Toxic Percussion Primers and Methods of Preparing the Same	8454769	04-Jun-2013	13/456920	Alliant Techsystems Inc.
Non-Toxic Percussion Primers and Methods of Preparing The Same	8454770	04-Jun-2013	13/473324	Alliant Techsystems Inc.
Neutron-Detection by Neutron Capture-Initiated Relaxation of a Ferroelectrically, Ferromagnetically and/or Chemically Metastable Material	8354641	15-Jan-2013	13/473773	Alliant Techsystems Inc.
Non-Toxic, Heavy-Metal Free Explosive Percussion Primers and Methods of Preparing the Same	8470107	25-Jun-2013	13/477723	Alliant Techsystems Inc.
Percussion Primer Composition and Systems Incorporating Same	8460486	11-Jun-2013	13/477750	Alliant Techsystems Inc.
Stock For a Firearm	8296986	30-Oct-2012	13/482041	Alliant Techsystems Inc.

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**TRADEMARK**  
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Pharmaceutical Compositions of O-Nitro Compounds	8530681	10-Sep-2013	13/484138	Alliant Techsystems Inc./RadioRX
Rotatable Platform	8469245	25-Jun-2013	13/566065	Alliant Techsystems Inc.
Automated Composite Annular Structure Forming	8512497	20-Aug-2013	13/606424	Alliant Techsystems Inc.
Orbit Debris Removal and Asset Protection Assembly	8496208	30-Jul-2013	13/775976	Alliant Techsystems Inc.
Chest Pouch	D429564	22-Aug-2000	29/110895	Eagle Industries Unlimited, Inc.
Chest Pouch	D435169	19-Dec-2000	29/110901	Eagle Industries Unlimited, Inc.
Hydration Connector	D488866	20-Apr-2004	29/152834	Alliant Techsystems Inc.
Glove With Index Finger Stitching	D466672	10-Dec-2002	29/160225	Alliant Techsystems Inc.
Gas Mask Pouch	D485061	13-Jan-2004	29/175748	Alliant Techsystems Inc.
Butt Pack	D486303	10-Feb-2004	29/175749	Alliant Techsystems Inc.
Cheek Pad	D490494	25-May-2004	29/178728	Alliant Techsystems Inc.
Set of Components For a Load Bearing Harness	D501592	01-Feb-2005	29/178729	Alliant Techsystems Inc.
Hydration Backpack	D505773	07-Jun-2005	29/178739	Alliant Techsystems Inc.
Hydration Backpack	D505774	07-Jun-2005	29/178740	Alliant Techsystems Inc.
Chest Harness	D488614	20-Apr-2004	29/178741	Alliant Techsystems Inc.
Plate Carrier Harness	D488290	13-Apr-2004	29/178742	Alliant Techsystems Inc.
Belt	D496143	21-Sep-2004	29/191053	Alliant Techsystems Inc.
Blackhawk Logo Panel	D500807	11-Jan-2005	29/194777	Alliant Techsystems Inc.
Combined Hydration Pack Cap and Mount	D539027	27-Mar-2007	29/199038	Alliant Techsystems Inc.
Flashlight Holder Cup	D501989	22-Feb-2005	29/199040	Alliant Techsystems Inc.
Flashlight Holster	D503039	22-Mar-2005	29/199057	Alliant Techsystems Inc.
Rigid Holster	D501991	22-Feb-2005	29/199058	Alliant Techsystems Inc.
Rigid Holster	D512561	13-Dec-2005	29/199059	Alliant Techsystems Inc.

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**TRADEMARK**  
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Belt	D517775	28-Mar-2006	29/199063	Alliant Techsystems Inc.
Knife Handle	D510514	11-Oct-2005	29/199228	Alliant Techsystems Inc.
Knife Handle	D510249	04-Oct-2005	29/199245	Alliant Techsystems Inc.
Knife Handle	D513958	31-Jan-2006	29/203992	Alliant Techsystems Inc.
Recoil Protection Pad	D522214	06-Jun-2006	29/203993	Alliant Techsystems Inc.
Holster Holder Device	D508318	16-Aug-2005	29/208933	Alliant Techsystems Inc.
Holster Holder Device	D507104	12-Jul-2005	29/208936	Alliant Techsystems Inc.
Flashlight	D549860	28-Aug-2007	29/240815	Alliant Techsystems Inc.
Modular Holster With Trigger Guard	D537246	27-Feb-2007	29/253529	Eagle Industries Unlimited, Inc.
Modular Holster With Trigger Guard	D543353	29-May-2007	29/253569	Eagle Industries Unlimited, Inc.
Modular Holster With Trigger Guard	D539030	27-Mar-2007	29/253570	Eagle Industries Unlimited, Inc.
Modular Holster With Trigger Guard	D543354	29-May-2007	29/253576	Eagle Industries Unlimited, Inc.
Belt Loop	D567707	29-Apr-2008	29/253584	Alliant Techsystems Inc.
Flashlight	D541963	01-May-2007	29/260568	Alliant Techsystems Inc.
Gloves	D577177	23-Sep-2008	29/261694	Alliant Techsystems Inc.
Trousers	D572434	08-Jul-2008	29/271160	Alliant Techsystems Inc.
Adjustable Grip For a Firearm	D604794	24-Nov-2009	29/289531	Alliant Techsystems Inc.
Fore End Stock For a Firearm	D614723	27-Apr-2010	29/289533	Alliant Techsystems Inc.
Information Tablet	D597302	04-Aug-2009	29/294911	Alliant Techsystems Inc.
Pants	D580629	18-Nov-2008	29/294912	Alliant Techsystems Inc.
Sleeping Bag	D624279	28-Sep-2010	29/294913	Alliant Techsystems Inc.
Jacket	D580631	18-Nov-2008	29/294916	Alliant Techsystems Inc.
Shirt	D580632	18-Nov-2008	29/294918	Alliant Techsystems Inc.
Vest	D580630	18-Nov-2008	29/294919	Alliant Techsystems Inc.

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**TRADEMARK**  
**REEL: 005162 FRAME: 0298**

Suspension System and Chin Strap Assembly For a Helmet	D604461	17-Nov-2009	29/307088	Alliant Techsystems Inc.
Entry Ram	D589769	07-Apr-2009	29/312040	Alliant Techsystems Inc.
Dagger	D597627	04-Aug-2009	29/312496	Alliant Techsystems Inc.
Pants	D641959	26-Jul-2011	29/314934	Alliant Techsystems Inc.
Shirt	D632059	08-Feb-2011	29/315034	Alliant Techsystems Inc.
Sleeping Bag	D626309	02-Nov-2010	29/316128	Alliant Techsystems Inc.
Mobility Sleeping Bag	D650152	13-Dec-2011	29/316129	Alliant Techsystems Inc.
Bivouac Bag	D629176	21-Dec-2010	29/316151	Alliant Techsystems Inc.
Glove Backhand	D629996	04-Jan-2011	29/316765	Alliant Techsystems Inc.
Firearm Forend	D615142	04-May-2010	29/327249	Alliant Techsystems Inc.
Gun Stock	D616522	25-May-2010	29/327250	Alliant Techsystems Inc.
Rifle Stock	D616056	18-May-2010	29/327251	Alliant Techsystems Inc.
Thumbhole Stock	D648412	08-Nov-2011	29/348638	Alliant Techsystems Inc.
Firearm Forend and Thumbhole Stock	D645110	13-Sep-2011	29/349144	Alliant Techsystems Inc.
Sleeping Bag	D654248	21-Feb-2012	29/370017	Alliant Techsystems Inc.
Hooded Sleeping Bag	D641136	12-Jul-2011	29/370725	Alliant Techsystems Inc.
Mummy-Style Sleeping Bag	D641541	19-Jul-2011	29/370729	Alliant Techsystems Inc.
Paddle Platform	D653848	14-Feb-2012	29/372520	Alliant Techsystems Inc.
Practice Projectile	D689975	17-Sep-2013	29/411064	Alliant Techsystems Inc.

Title	Jurisdiction	Patent No. (App. No.)	Issue Date (Fil. Date)	Owner	Status
Muzzle-loading firearm	United States	6516549	2/11/2003	Savage Arms, Inc.	Issued
Sear and step trigger assembly having a secondary sear block	United States	6553706	4/29/2003	Savage Arms, Inc.	Issued
Portable bullet trap	United States	6732628	5/11/2004	Savage Range Systems, Inc.	Issued
Projectile trap and shooting range	United States	7434811	10/14/2008	Savage Range Systems, Inc.	Issued
Adjustable muzzle brake for a firearm	United States	5425298	6/20/1995	Savage Sports Corporation	Issued

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**TRADEMARK**  
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Bullet Trap	United States	5486008	1/23/1996	Savage Sports Corporation	Issued
Open Throat Projectile Trap and Shooting Range	United States	12/726,996	(3/18/2010)	Savage Range Systems, Inc.	Allowed

## U.S. Pending Patents

Title	Application Number	Filing Date	Owner
Method and Apparatus for Making Gradated Density Carbon Carbon Components	07/173793	28-Mar-1988	Alliant Techsystems Inc.
Bonding of Propellants to Insulating Liners	07/354542	19-May-1989	Alliant Techsystems Inc.
Method and Apparatus for Making Gradated Density Carbon Carbon Components	07/451717	29-Nov-1989	Alliant Techsystems Inc.
Method for Processing Explosives Containing 2,4,6,8,10,12-Hexanitro-2,4,6,8,10,12-Hexaazatetracyclo[5.5.0.0.5,903,11]-Dodecane (CL-20) with Naphthenic and Paraffinic Oils	11/437006	17-May-2006	Alliant Techsystems Inc.
Solar Arrays	11/944061	21-Nov-2007	Alliant Techsystems Inc.
Retention Holster For a Firearm Having an Offset Mounted Accessory	11/985658	16-Nov-2007	Alliant Techsystems Inc.
Holster With Interchangeable Cowlings	12/032142	15-Feb-2008	Eagle Industries Unlimited, Inc.
Frequency Selective Surface Armor, Methods of Fabrication and Structures Incorporating Same	12/052629	20-Mar-2008	Alliant Techsystems Inc.
Thermally Actuated Valves, Photovoltaic Cells and Arrays Comprising Same, and Methods For Producing Same	12/092501	06-Nov-2006	Alliant Techsystems Inc./Columbia University
Tourniquet System	12/312568	15-Nov-2007	Alliant Techsystems Inc.
Non-Circular Cross Section Missile Components, Missiles Incorporating	12/410283	24-Mar-2009	Alliant Techsystems Inc.

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**TRADEMARK**  
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Same, and Methods of Operation			
Fuel Reformation System and Method	12/465407	13-May-2009	Alliant Techsystems Inc.
Gas-Generating Devices With Grain-Retention Structures and Related Methods and Systems	12/478019	04-Jun-2009	Alliant Techsystems Inc.
Optical Coupled Sensors For Harsh Environments	12/479251	05-Jun-2009	Alliant Techsystems Inc.
Pressure Molded Preform Process For Composite Structures	12/483613	12-Jun-2009	Alliant Techsystems Inc.
Low Temperature, Extrudable, High Density Reactive Materials	12/507605	22-Jul-2009	Alliant Techsystems Inc.
Method of Manufacturing Heat Exchanger Cooling Passages in Aero Propulsion Structure	12/512515	30-Jul-2009	Alliant Techsystems Inc.
Insensitive Munitions Swaged Vent Plug	12/543938	19-Aug-2009	Alliant Techsystems Inc.
Elastomer Structures, Rocket Motors Including Elastomer Structures and Methods of Forming Structures From Layered Viscoelastic Materials	12/544907	20-Aug-2009	Alliant Techsystems Inc.
Methods and Systems of Producing Hydrogen and Oxygen For Power Generation, and Power Source	12/546047	24-Aug-2009	Alliant Techsystems Inc.
Composites for Antennas and Other Applications	12/548937	27-Aug-2009	Alliant Techsystems Inc.
Radially Extending Composite Structures	12/615980	10-Nov-2009	Alliant Techsystems Inc.
Metal Complexes For Use as Gas Generants	12/631030	04-Dec-2009	Alliant Techsystems Inc.
Methods and Systems For Verifying Sensor Bond Integrity and Structures Employing Such Systems	12/631600	04-Dec-2009	Alliant Techsystems Inc.
Backing For Prepreg Material	12/701126	05-Feb-2010	Alliant Techsystems Inc.
Releasable Vest	12/733011	03-Nov-2008	Alliant Techsystems Inc.

Intellectual Property Security Agreement (ATK)

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**TRADEMARK**  
**REEL: 005162 FRAME: 0301**

Releasable Vest	12/733012	01-Aug-2008	Alliant Techsystems Inc.
Tourniquet System	12/733337	25-Aug-2008	Alliant Techsystems Inc.
Releasable Vest	12/735479	15-Jan-2009	Alliant Techsystems Inc.
Modular Illumination Device	12/735602	02-Feb-2009	Alliant Techsystems Inc.
Load Bearing Suspension System	12/736458	08-Apr-2009	Alliant Techsystems Inc.
Automated Bias-Ply Preparation Device and Process	12/759333	13-Apr-2010	Alliant Techsystems Inc.
Method and System For Continuously Pumping a Solid Material and Method and System for Hydrogen Formation	12/775290	06-May-2010	Alliant Techsystems Inc.
Rockets, Methods of Rocket Control and Methods of Rocket Evaluation Utilizing Pressure Compensation	12/777508	11-May-2010	Alliant Techsystems Inc.
Variable Material Stretch-Forming Apparatus and Methods	12/832251	08-Jul-2010	Alliant Techsystems Inc.
Methods, Devices, and Systems Relating to a Sensing Device	12/833894	09-Jul-2010	Alliant Techsystems Inc.
Apparatus and Methods For Obtaining Multi-Dimensional Spatial and Spectral Data With Lidar Detection	12/850536	04-Aug-2010	Alliant Techsystems Inc.
Insulative Compositions, Article Incorporating the Same and Methods of Forming the Same	12/879827	10-Sep-2010	Alliant Techsystems Inc.
Methods and Apparatuses For Inductive Energy Capture For Fuzes	12/899326	06-Oct-2010	Alliant Techsystems Inc.
Inflator-Based Fire Suppression	12/899961	07-Oct-2010	Alliant Techsystems Inc.
Solid Feed Systems For Elevated Pressure Processes, Gasification Systems and Related Methods	12/908768	20-Oct-2010	Alliant Techsystems Inc.
Jumpable Pack	12/931133	25-Jan-2011	Alliant Techsystems Inc.

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**TRADEMARK**  
**REEL: 005162 FRAME: 0302**

Methods of Producing Nitrate Esters	12/953111	23-Nov-2010	Alliant Techsystems Inc.
Infrared Signature Matching System, Control Circuit, and Related Method	13/007463	14-Jan-2011	Alliant Techsystems Inc.
Two-Phase Heat Transfer System Including a Thermal Capacitance Device and Related Methods	13/022445	07-Feb-2011	Alliant Techsystems Inc.
Resolution Radar Using Metamaterials	13/086713	14-Apr-2011	Alliant Techsystems Inc.
Insulating Materials Comprising Polysilazan, Methods of Forming Such Insulating Materials, and Precursor Formulations Comprising Polysilazane	13/087224	14-Apr-2011	Alliant Techsystems Inc.
Fuel Processing System and Related Methods	13/094709	26-Apr-2011	Alliant Techsystems Inc.
Multifunctional Chambered Radiation Shields and Systems and Related Methods	13/095659	27-Apr-2011	Alliant Techsystems Inc.
Man-Rated Fire Suppression System and Related Methods	13/149541	31-May-2011	Alliant Techsystems Inc.
Methodology for Determination of Nitrogen Content in Nitrocellulose	13/175503	01-Jul-2011	Alliant Techsystems Inc.
Initiation Systems For Explosive Devices, Scalable Output Explosive Devices Including Initiation Systems, and Related Methods	13/181131	12-Jul-2011	Alliant Techsystems Inc.
Rocket Nozzle Assembly	13/182686	14-Jul-2011	Alliant Techsystems Inc.
Non-Contact Deviation Measurement System	13/185395	18-Jul-2011	Alliant Techsystems Inc.
Propellant Compositions Including Stabilized Red Phosphorus, a Method of Forming Same, and an Ordnance Element Including the Same	13/222751	31-Aug-2011	Alliant Techsystems Inc.
Non-Intrusive Sensor For In-Situ Measurement of Recession Rate of Ablative and Eroding Materials	13/224214	01-Sep-2011	Alliant Techsystems Inc.
Energetic Compositions Including Nitrate Esters, Methods of Forming Such Energetic Compositions, and	13/225159	02-Sep-2011	Alliant Techsystems Inc.

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**TRADEMARK**  
**REEL: 005162 FRAME: 0303**



Articles Including Such Energetic Compositions			
Thermal Management System	13/251979	03-Oct-2011	Alliant Techsystems Inc.
Two-Phase Heat Transfer Systems and Evaporators and Condensers For Use in Heat Transfer Systems	13/252825	04-Oct-2011	Alliant Techsystems Inc.
Gas Generator and Method of Gas Generation	13/267410	06-Oct-2011	Alliant Techsystems Inc.
Gas Generator and Method of Gas Generation	13/267410	06-Oct-2011	Alliant Techsystems Inc.
Liquid-Augmented, Generated-Gas Fire Suppression System and Method	13/267427	06-Oct-2011	Alliant Techsystems Inc.
Strain Measurement Device, a Solid Rocket Motor Including Same, and Related Methods	13/271416	12-Oct-2011	Alliant Techsystems Inc.
Wireless Energy Transmission Using Near-Field Energy	13/276754	19-Oct-2011	Alliant Techsystems Inc.
Flares, Consumable Weight Components Thereof, and Methods of Fabricating and Use	13/289669	04-Nov-2011	Alliant Techsystems Inc.
Pull-Thru Firearm Cleaning System and Method	13/300269	18-Nov-2011	Alliant Techsystems Inc.
Connectors For Separable Firing Unit Assemblies, Separable Firing Unit Assemblies, and Related Methods	13/348485	11-Jan-2012	Alliant Techsystems Inc.
Automated Material Delivery System	13/359289	26-Jan-2012	Alliant Techsystems Inc.
Heat Transfer System	13/366782	06-Feb-2012	Alliant Techsystems Inc.
Reactive Material Enhanced Projectiles and Related Methods	13/372804	14-Feb-2012	Alliant Techsystems Inc.
Payload Adapters Including Antenna Assemblies, Satellite Assemblies and Related Systems and Methods	13/403106	23-Feb-2012	Alliant Techsystems Inc.
Case Activation Bullet Feeder	13/406200	27-Feb-2012	Alliant Techsystems Inc.
Evaporators For Heat Transfer	13/421524	15-Mar-	Alliant Techsystems

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**TRADEMARK**  
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Systems		2012	Inc.
Case Annealer	13/439579	04-Apr-2012	Alliant Techsystems Inc.
Methods and Apparatuses for Active Protection From Aerial Threats	13/455831	25-Apr-2012	Alliant Techsystems Inc.
Devices Incorporating Non-Lethal Payloads and Methods of Producing Flash	13/457996	27-Apr-2012	Alliant Techsystems Inc.
Radial Firing Warhead System and Method	13/486941	01-Jun-2012	Alliant Techsystems Inc.
Lockable Holster Retention System	13/508759	09-May-2012	Alliant Techsystems Inc.
Multi-Disk Rotatable Accessory Attachment Platform	13/519381	13-Jan-2011	Alliant Techsystems Inc.
Fragmentation Bodies, Warheads Including Fragmentation Bodies, and Related Ordnance	13/550705	17-Jul-2012	Alliant Techsystems Inc.
Imaging Satellite System and Method	13/559321	26-Jul-2012	Alliant Techsystems Inc.
Methods and Apparatuses for Autonomous Flight Termination	13/567794	06-Aug-2012	Alliant Techsystems Inc.
Acyclic Organonitro Compounds For Use in Treating Cancer	13/593737	24-Aug-2012	Alliant Techsystems Inc./RadioRX
Inertial Extraction System	13/599709	30-Aug-2012	Alliant Techsystems Inc./ACENT Laboratories
High Voltage Firing Unit, Ordnance System, and Method of Operating Same	13/608571	10-Sep-2012	Alliant Techsystems Inc.
Distributed Ordnance System, Multiple Stage Ordnance System, and Related Methods	13/608824	10-Sep-2012	Alliant Techsystems Inc.
Apparatus and Methods For Forming Composite Stiffeners and Reinforcing Structures	13/616277	14-Sep-2012	Alliant Techsystems Inc.
Methods for Electro-Mechanical Safety and Arming of a Projectile	13/647846	09-Oct-2012	Alliant Techsystems Inc.
Reduced Energy Training Cartridge	13/650955	12-Oct-	Federal Cartridge

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**TRADEMARK**  
**REEL: 005162 FRAME: 0305**

For Self-Loading Firearms		2012	Company
Out-of-Autoclave and Alternative Oven Curing Using a Self-Heating Tool	13/651814	15-Oct-2012	Alliant Techsystems Inc.
Cyclic Nitro Compounds, Pharmaceutical Compositions Thereof and Uses Thereof	13/655618	19-Oct-2012	Alliant Techsystems Inc./RadioRX
Unmanned Air Vehicle Weapon Adapter	13/664195	30-Oct-2012	Alliant Techsystems Inc.
Non-Lethal Payloads and Methods of Producing Same	13/672411	08-Nov-2012	Alliant Techsystems Inc.
Penetrator Round Assembly	13/681957	20-Nov-2012	Alliant Techsystems Inc.
Shotgun Shell With Weighted Wad	13/683795	21-Nov-2012	Alliant Techsystems Inc.
Gas Generators, Launch Tubes Including Gas Generators and Related Systems and Methods	13/690040	30-Nov-2012	Alliant Techsystems Inc.
Releasable Magazine Pouch	13/691617	30-Nov-2012	Alliant Techsystems Inc.
Induction Heating Compaction System	13/734661	04-Jan-2013	Alliant Techsystems Inc.
Projectile Assembly with Stabilization/Obturation Enhancement	13/738646	10-Jan-2013	Alliant Techsystems Inc.
Downhole Combustor	13/745196	18-Jan-2013	Alliant Techsystems Inc.
Composite Dome Connectors for Flywheel Rim to Shaft Attachment	13/762030	07-Feb-2013	Alliant Techsystems Inc.
Passive Charge Neutralization System for Mitigating Electrostatic Discharge in Space	13/777732	26-Feb-2013	Alliant Techsystems Inc.
Method and Apparatus for Ballistic Tailoring of Propellant Structures and Operation Thereof for Downhole Stimulation	13/781217	28-Feb-2013	Alliant Techsystems Inc.
High Pressure Combustor with Hot Surface Ignition	13/782865	01-Mar-2013	Alliant Techsystems Inc.

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**TRADEMARK**  
**REEL: 005162 FRAME: 0306**

Insulation Materials Comprising Fibers Having a Partially Cured Polymer Coating Thereon, Articles Including Such Insulation Materials, and Methods of Forming Such Materials and Articles	13/787355	06-Mar-2013	Alliant Techsystems Inc.
Self-Locating Electronics Package Precursor Structure, Method for Configuring an Electronics Package, and Electronics Package	13/787438	06-Mar-2013	Alliant Techsystems Inc.
Charged Projectiles and Related Assemblies, Systems and Methods	13/789147	07-Mar-2013	Alliant Techsystems Inc.
Man-Rated Fire Suppression System and Related Methods	13/792903	11-Mar-2013	Alliant Techsystems Inc.
Method of Liquid Fuel Desulfurization	13/793816	11-Mar-2013	Alliant Techsystems Inc.
High Efficiency Direct Contact Heat Exchanger	13/793891	11-Mar-2013	Alliant Techsystems Inc.
Precursor Formulations for a Liner, a Rocket Motor Including the Liner, and Related Methods	13/796685	12-Mar-2013	Alliant Techsystems Inc.
Countersink Sealant Applicator	13/797639	12-Mar-2013	Alliant Techsystems Inc.
Multi-Spectral Detection Device Including an Acoustic Detector Array	13/799519	13-Mar-2013	Alliant Techsystems Inc.
Hybrid Optical and Microwave Imaging Satellite	13/800243	13-Mar-2013	Alliant Techsystems Inc.
Guard Assembly	13/803361	14-Mar-2013	Alliant Techsystems Inc.
DEMN Salts Solventless Process (One Pot DEMN Process)	13/804148	14-Mar-2013	Alliant Techsystems Inc.
Solar Arrays, Deployment Mechanisms Therefor, and Related Methods	13/804331	14-Mar-2013	Alliant Techsystems Inc.
UT Phased Array Inspection Fixture	13/829988	14-Mar-2013	Alliant Techsystems Inc.
Precursor Formulations for an Energetic Composition Including High Surface Area Amorphous Carbon Black	13/832960	15-Mar-2013	Alliant Techsystems Inc.

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**TRADEMARK**  
**REEL: 005162 FRAME: 0307**

Downhole Injector Insert Apparatus	13/832992	15-Mar-2013	Alliant Techsystems Inc.
Methods and Apparatuses for Engagement Management of Aerial Threats	13/839176	15-Mar-2013	Alliant Techsystems Inc.
Methods and Apparatuses for Aerial Interception of Aerial Threats	13/839637	15-Mar-2013	Alliant Techsystems Inc.
Fracturing Apparatus	13/840672	15-Mar-2013	Alliant Techsystems Inc.
Flexible Work Holding Fixture	13/841794	15-Mar-2013	Alliant Techsystems Inc.
Launch Lightning Risk Mitigation System and Method	13/844105	15-Mar-2013	Alliant Techsystems Inc.
Evaporators Including a Capillary Wick and a Plurality of Vapor Grooves and Two-Phase Heat Transfer Systems Including Such Evaporators	13/847146	19-Mar-2013	Alliant Techsystems Inc.
Initiator Modules, Munitions Systems Including Initiator Modules, and Related Methods	13/854632	01-Apr-2013	Alliant Techsystems Inc.
Helical Cross Flow (HCF) Pulse Detonation Engine	13/886030	02-May-2013	Alliant Techsystems Inc.
Reactive Material Enhanced Projectiles, Devices For Generating Reactive Material Enhanced Projectiles and Related Methods	13/896621	17-May-2013	Alliant Techsystems Inc.
Holster	13/911710	06-Jun-2013	Alliant Techsystems Inc.
Multilayer Backing Materials For Composite Armor	13/937374	09-Jul-2013	Alliant Techsystems Inc.
O-Nitro Compounds and Pharmaceutical Compositions Including Same	13/951720	26-Jul-2013	Alliant Techsystems Inc./RadioRX
Advanced Muzzle Loader Ammunition	13/959125	05-Aug-2013	Alliant Techsystems Inc.
Muzzle Loader Powder Increment Using Celluloid Combustible Container	13/959138	05-Aug-2013	Alliant Techsystems Inc.

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**TRADEMARK**  
**REEL: 005162 FRAME: 0308**

Man-Rated Fire Suppression System and Related Methods	14/031493	19-Sep-2013	Alliant Techsystems Inc.
Muzzleloader Systems	14/041452	30-Sep-2013	Alliant Techsystems Inc.
Muzzleloader Bullet System	14/041648	30-Sep-2013	Alliant Techsystems Inc.
Muzzleloader and Propellant System	14/041951	30-Sep-2013	Alliant Techsystems Inc.
Practice Projectile	29/467245	17-Sep-2013	Alliant Techsystems Inc.
Muzzleloader Propellant Cartridge	29/468434	30-Sep-2013	Alliant Techsystems Inc.
Elastomer Filled Plastic Projectile	61/752377	14-Jan-2013	Alliant Techsystems Inc.
Combination Gas Operated Rifle and Subsonic Cartridge	61/791807	15-Mar-2013	Alliant Techsystems Inc.
Manufacturing Process to Produce Metalurgically Programmed Terminal Performance Projectiles	61/792030	15-Mar-2013	Alliant Techsystems Inc.
Manufacturing Process to Produce Programmed Terminal Performance Projectiles	61/792419	15-Mar-2013	Alliant Techsystems Inc.
Offset Firearm Selector Switch	61/794135	15-Mar-2013	Alliant Techsystems Inc.
Limited Range Rifle Projectile	61/800406	15-Mar-2013	Alliant Techsystems Inc.
Multiple-Zero-Point Riflescope Turret System	61/800495	15-Mar-2013	Alliant Techsystems Inc.
High Velocity Ignition System for Ammunition	61/801812	15-Mar-2013	Alliant Techsystems Inc.
Device and Methods for Delivery of Pneumatic Rounds	61/801887	15-Mar-2013	Alliant Techsystems Inc.
Saboted Projectile with Barrel Fouling Limiter	61/802264	15-Mar-2013	Alliant Techsystems Inc.
Lead Free Green Bullet Swaging	61/802362	15-Mar-2013	Alliant Techsystems Inc.

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**TRADEMARK**  
**REEL: 005162 FRAME: 0309**

Tactical Vests and Accessories	61/814877	23-Apr-2013	Alliant Techsystems Inc.
Trigger 2G (new trigger design)	Pending		Savage Arms, Inc.
Firearm Action (A.MAG)	Pending		Savage Arms, Inc.
Stock for a Firearm	[unpublished]	7/31/2007	

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**TRADEMARK**  
**REEL: 005162 FRAME: 0310**

**Schedule B  
Trademarks**

**U.S. Registered Trademarks**

<b>Trademark Name</b>	<b>Owner</b>	<b>Application Number</b>	<b>Filing Date</b>	<b>Reg Number</b>	<b>Reg Date</b>
2400	Alliant Techsystems Inc.	74/731661	20-Sep-1995	2062642	20-May-1997
410	Alliant Techsystems Inc.	78/149187	31-Jul-2002	2803714	06-Jan-2004
ALLIANT POWDER	Alliant Techsystems Inc.	85/301284	21-Apr-2011	4066736	06-Dec-2011
ALLIANT POWDER & Design	Alliant Techsystems Inc.	74/731664	20-Sep-1995	2002913	24-Sep-1996
ALLIANT POWDER TECHNICALLY SUPERIOR BY DESIGN	Alliant Techsystems Inc.	75/505287	19-Jun-1998	2375888	08-Aug-2000
AMERICAN EAGLE	Federal Cartridge Company	72/182715	10-Dec-1963	781203	08-Dec-1964
AMERICAN EAGLE	Federal Cartridge Company	73/826420	19-Sep-1989	1600686	12-Jun-1990
AMERICAN EAGLE & Design	Federal Cartridge Company	72/221874	23-Jun-1965	808014	10-May-1966
AMERICAN EAGLE Design	Federal Cartridge Company	72/182716	10-Dec-1963	782263	29-Dec-1964
AMERICAN EAGLE Design	Federal Cartridge Company	72/221810	23-Jun-1965	808748	24-May-1966
AMERICAN EAGLE Design	Federal Cartridge Company	71/657271	02-Dec-1953	595057	14-Sep-1954
AMERICAN SELECT	Alliant Techsystems Inc.	77/688273	11-Mar-2009	3679736	08-Sep-2009
AMMOMASTER	Alliant Techsystems Inc.	74/107890	22-Oct-1990	1690080	02-Jun-1992
APS	Alliant Techsystems Inc.	74/733366	22-Sep-1995	2080002	15-Jul-1997



AR-COMP	Alliant Techsystems Inc.	85/163545	28-Oct-2010	4057507	15-Nov-2011
ATK	Alliant Techsystems Inc.	75/640985	16-Feb-1999	2782133	11-Nov-2003
ATK (Commercial Ammo)	Alliant Techsystems Inc.	78/549394	18-Jan-2005	3463984	08-Jul-2008
ATK (Commercial Ammo)	Alliant Techsystems Inc.	78/549396	18-Jan-2005	3160476	17-Oct-2006
ATK (Commercial Ammo)	Alliant Techsystems Inc.	78/549405	18-Jan-2005	3160478	17-Oct-2006
ATK (Commercial Ammo)	Alliant Techsystems Inc.	78/549401	18-Jan-2005	3160477	17-Oct-2006
ATK and Design	Alliant Techsystems Inc.	77/155317	12-Apr-2007	3526313	04-Nov-2008
ATK PREMIUM PARTNERS Logo	Alliant Techsystems Inc.	78/555263	27-Jan-2005	3373825	22-Jan-2008
AVIATOR	Alliant Techsystems Inc.	77/106134	13-Feb-2007	3510584	07-Oct-2008
AXIOM	Alliant Techsystems Inc.	85/532975	03-Feb-2011	4205521	11-Sep-2012
BALLISTICLEAN	Federal Cartridge Company	75/027145	04-Dec-1995	2012000	29-Oct-1996
BHI and Design	Alliant Techsystems Inc.	75/054212	06-Feb-1996	2021066	03-Dec-1996
BLACK CLOUD	Alliant Techsystems Inc.	78/904618	09-Jun-2006	3357898	18-Dec-2007
BLACKCLOUD and Design (color)	Alliant Techsystems Inc.	77/070599	22-Dec-2006	3349215	04-Dec-2007
BLACKCLOUD Package Design (color)	Alliant Techsystems Inc.	77/070612	22-Dec-2006	3499586	09-Sep-2008
BLACKHAWK	Alliant Techsystems Inc.	75/054278	06-Feb-1996	2207855	08-Dec-1998
BLACKHAWK	Alliant Techsystems Inc.	75/696418	03-May-1999	2737060	15-Jul-2003
BLACKHAWK!	Alliant Techsystems Inc.	85/755671	16-Oct-2012	4317248	09-Apr-2013

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**TRADEMARK**  
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BLACKHAWK!	Alliant Techsystems Inc.	77/369472	11-Jan-2008	3582358	03-Mar-2009
BLACKHAWK!	Alliant Techsystems Inc.	78/551681	21-Jan-2005	3100312	06-Jun-2006
BLACKHAWK!	Alliant Techsystems Inc.	78/551713	21-Jan-2005	3198084	16-Jan-2007
BLACKHAWK!	Alliant Techsystems Inc.	78/781669	28-Dec-2005	3203714	30-Jan-2007
BLACKHAWK!	Alliant Techsystems Inc.	78/551749	21-Jan-2005	3128839	15-Aug-2006
BLACKHAWK! PRODUCTS GROUP and Design	Alliant Techsystems Inc.	78/550582	20-Jan-2005	3198080	16-Jan-2007
BLACKHAWK! WARRIOR WEAR	Alliant Techsystems Inc.	78/676007	22-Jul-2005	3331281	06-Nov-2007
BLAZER	Alliant Techsystems Inc.	73/346687	22-Jan-1982	1232643	29-Mar-1983
BLUE DOT	Alliant Techsystems Inc.	72/439174	24-Oct-1972	971715	30-Oct-1973
BULLS EYE	Alliant Techsystems Inc.	71/021649	18-Aug-1906	61982	16-Apr-1907
BUSHMASTER	Alliant Techsystems Inc.	75/166423	16-Sep-1996	2168336	23-Jun-1998
CAPE SHOK	Alliant Techsystems Inc.	78/218021	24-Feb-2003	2919884	18-Jan-2005
CASE MASTER	Alliant Techsystems Inc.	74/516109	20-Apr-1994	1885925	28-Mar-1995
CASE SLICK	Alliant Techsystems Inc.	74/516120	20-Apr-1994	1892898	09-May-1995
CASTCORE	Federal Cartridge Company	75/757183	22-Jul-1999	2545317	05-Mar-2002
CASTOR	ATK Thiokol Inc	74/339378	11-Dec-1992	1851879	30-Aug-1994
CASTOR 120	ATK Thiokol Inc	74/339107	11-Dec-1992	1851878	30-Aug-1994
CCI	Alliant Techsystems Inc.	72/229496	07-Oct-1965	831313	04-Jul-1967

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**TRADEMARK**  
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CCI	Alliant Techsystems Inc.	78/411019	30-Apr-2004	3174875	21-Nov-2006
CCI	Alliant Techsystems Inc.	78/487090	21-Sep-2004	3143215	12-Sep-2006
CCI	Alliant Techsystems Inc.	78/411021	30-Apr-2004	3149538	26-Sep-2006
CCI & Design (Color)	Alliant Techsystems Inc.	78/411023	30-Apr-2004	3261939	10-Jul-2007
CCI & Design (Color)	Alliant Techsystems Inc.	78/411022	30-Apr-2004	3259134	03-Jul-2007
CCI (stylized and/or with design)	Alliant Techsystems Inc.	78/769473	08-Dec-2005	3389952	26-Feb-2008
CCI and design (color) (CCI Packaging Design)	Alliant Techsystems Inc.	78/818955	20-Feb-2006	3309511	09-Oct-2007
CCI SELECT	Alliant Techsystems Inc.	78/665529	07-Jul-2005	3186025	19-Dec-2006
CHAIN GUN	Alliant Techsystems Inc.	73/027311	22-Jul-1974	1047223	31-Aug-1976
CHAMPION	Alliant Techsystems Inc.	78/376474	01-Mar-2004	3077532	04-Apr-2006
CHAMPION	Alliant Techsystems Inc.	77/021193	13-Oct-2006	3841840	31-Aug-2010
CHAMPION	Alliant Techsystems Inc.	73/086683	10-May-1976	1054411	14-Dec-1976
CHAMPION	Alliant Techsystems Inc.	77/976214	09-Oct-2006	3555185	30-Dec-2008
CHAMPION (Stylized)	Alliant Techsystems Inc.	78/376467	01-Mar-2004	3016275	15-Nov-2005
CHAMPION and Design (Color)	Alliant Techsystems Inc.	77/021190	13-Oct-2006	3923293	22-Feb-2011
CHAMPION and Design (Color)	Alliant Techsystems Inc.	77/981904	13-Oct-2006	3982414	21-Jun-2011
CHAMPION and Design (Color)	Alliant Techsystems Inc.	78/373938	25-Feb-2004	3030396	13-Dec-2005
CHAMPION EYES & EARS	Alliant Techsystems Inc.	77/403074	21-Feb-2008	3719281	01-Dec-2009

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**TRADEMARK**  
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CHAMPION EYES and EARS and Design	Alliant Techsystems Inc.	77/427363	20-Mar-2008	3719350	01-Dec-2009
CHAMPION TRAPS & TARGETS	Alliant Techsystems Inc.	78/376548	01-Mar-2004	3030414	13-Dec-2005
CHAMPION TRAPS & TARGETS (Stylized Black & White)	Alliant Techsystems Inc.	78/376470	01-Mar-2004	3030409	13-Dec-2005
CHAMPION TRAPS & TARGETS (Stylized Color)	Alliant Techsystems Inc.	78/376545	01-Mar-2004	3030413	13-Dec-2005
CHAMPION TRAPS & TARGETS CRITTER SERIES	Alliant Techsystems Inc.	78/376070	01-Mar-2004	3014064	08-Nov-2005
CHAMPION TRAPS & TARGETS CRITTER SERIES & Design (Color)	Alliant Techsystems Inc.	78/376071	01-Mar-2004	3042643	10-Jan-2006
CHAMPION TRAPS & TARGETS CRITTER SERIES & Design (Color)	Alliant Techsystems Inc.	78/374572	26-Feb-2004	3042639	10-Jan-2006
CLAY DOT	Alliant Techsystems Inc.	78/555265	27-Jan-2005	3124812	01-Aug-2006
CLEAN-FIRE	Alliant Techsystems Inc.	74/363518	26-Feb-1993	1825074	08-Mar-1994
COPPER-KLENZ	Alliant Techsystems Inc.	78/497841	11-Oct-2004	3020772	29-Nov-2005
CQC	Alliant Techsystems Inc.	85/142026	30-Sep-2010	4040774	18-Oct-2011
CQC	Alliant Techsystems Inc.	78/356840	23-Jan-2004	3161038	17-Oct-2006
DE and Design	Alliant Techsystems Inc.	76/578455	01-Mar-2004	2959198	07-Jun-2005
DEEPCURL	Alliant Techsystems Inc.	77/851472	19-Oct-2009	3923937	22-Feb-2011
DEEP-SHOK	Alliant Techsystems Inc.	75/684648	16-Apr-1999	2472138	24-Jul-2001
DIVERSION	Alliant Techsystems Inc.	85/687885	26-Jul-2012	4419638	15-Oct-2013
DROP DUCKS LIKE RAIN	Alliant Techsystems Inc.	78/956255	21-Aug-2006	3374419	22-Jan-2008

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**TRADEMARK**  
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DUCK Design	Federal Cartridge Company	72/330264	17-Jun-1969	907400	09-Feb-1971
DURASEAL	Alliant Techsystems Inc.	77/286910	24-Sep-2007	3562125	13-Jan-2009
DYNAMIC ENTRY	Alliant Techsystems Inc.	77/106086	13-Feb-2007	3438980	03-Jun-2008
E3	Alliant Techsystems Inc.	78/526577	03-Dec-2004	3155033	10-Oct-2006
E3 & Design	Alliant Techsystems Inc.	78/526572	03-Dec-2004	3166278	31-Oct-2006
EAGLE & Design	Eagle Industries Unlimited, Inc.	74/208733	30-Sep-1991	1789291	24-Aug-1993
EAGLE & Design	Eagle Industries Unlimited, Inc.	77/160825	19-Apr-2007	3629291	02-Jun-2009
EASYBIRD	Alliant Techsystems Inc.	78/474904	27-Aug-2004	3127817	08-Aug-2006
ESTATE	Federal Cartridge Company	78/452572	19-Jul-2004	2970760	19-Jul-2005
ESTATE CARTRIDGE ECI & Design	Federal Cartridge Company	75/931431	29-Feb-2000	2419305	09-Jan-2001
EVERY SHOT COUNTS	Federal Cartridge Company	78/414969	07-May-2004	3136636	29-Aug-2006
EVERY SHOT COUNTS	Federal Cartridge Company	78/414968	07-May-2004	3069273	14-Mar-2006
EXTRA-LITE	Alliant Techsystems Inc.	77/797253	05-Aug-2009	3941404	05-Apr-2011
EXTRA-LITE	Alliant Techsystems Inc.	75/043088	16-Jan-1996	2017887	19-Nov-1996
FEDERAL	Federal Cartridge Company	78/332009	24-Nov-2003	3124306	01-Aug-2006
FEDERAL	Federal Cartridge Company	72/121373	05-Jun-1961	729938	17-Apr-1962
FEDERAL AMMUNITION CHAMPION and Halfstamp Design	Alliant Techsystems Inc.	85/110052	18-Aug-2010	4018302	30-Aug-2011
FEDERAL PREMIUM	Federal Cartridge Company	75/707288	17-May-1999	2359927	20-Jun-2000

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**TRADEMARK**  
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FEDERAL PREMIUM	Federal Cartridge Company	78/976493	15-Jan-2004	3030760	13-Dec-2005
FEDERAL PREMIUM AMMUNITION BLACKCLOUD FS STEEL and Package Design	Alliant Techsystems Inc.	77/070608	22-Dec-2006	3513153	07-Oct-2008
FEDERAL PREMIUM AMMUNITION PRAIRIE STORM	Alliant Techsystems Inc.	77/882603	30-Nov-2009	3982236	21-Jun-2011
FEDERAL PREMIUM AMMUNITION PRAIRIE STORM and Design	Alliant Techsystems Inc.	77/882599	30-Nov-2009	3990779	05-Jul-2011
FEDERAL PREMIUM AMMUNITION with Shockwave Design	Federal Cartridge Company	77/368438	10-Jan-2008	3574927	17-Feb-2009
FEDERAL PREMIUM AMMUNITION with Shockwave Design	Federal Cartridge Company	78/715407	19-Sep-2005	3357380	18-Dec-2007
FLIGHT MASTER	Alliant Techsystems Inc.	74/422519	06-Aug-1993	1894659	16-May-1995
FLITECONTROL	Alliant Techsystems Inc.	78/460589	02-Aug-2004	3099182	30-May-2006
FLITECONTROL WAD and Design	Alliant Techsystems Inc.	78/555266	27-Jan-2005	3206760	06-Feb-2007
FLITESTOPPER	Alliant Techsystems Inc.	78/904616	09-Jun-2006	3314676	16-Oct-2007
FOR PROFESSIONALS BY PROFESSIONALS	Alliant Techsystems Inc.	77/036040	03-Nov-2006	3284597	28-Aug-2007
FORCE ON FORCE	Alliant Techsystems Inc.	77/117591	27-Feb-2007	3455918	24-Jun-2008
FORCE ON FORCE and Design	Alliant Techsystems Inc.	77/092300	26-Jan-2007	3627536	26-May-2009
FORCE ON FORCE and Design	Alliant Techsystems Inc.	77/092296	26-Jan-2007	3631944	02-Jun-2009
FORCE ON FORCE and Design	Alliant Techsystems Inc.	77/092291	26-Jan-2007	3877211	16-Nov-2010
FORCE ON FORCE and Design	Alliant Techsystems Inc.	77/092299	26-Jan-2007	3631945	02-Jun-2009

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**TRADEMARK**  
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FOX Stylized		71/657734	09-Dec-1953	595060	14-Sep-1954
FS STEEL	Alliant Techsystems Inc.	77/070601	22-Dec-2006	3454515	24-Jun-2008
FS STEEL and Design (Color)	Alliant Techsystems Inc.	77/070614	22-Dec-2006	3427636	13-May-2008
FUSION	Federal Cartridge Company	77/283855	19-Sep-2007	3452727	24-Jun-2008
FUSION	Federal Cartridge Company	78/486560	20-Sep-2004	3146532	19-Sep-2006
FUSION LITE	Federal Cartridge Company	77/054060	30-Nov-2006	3524712	28-Oct-2008
FUSION Packaging Design	Federal Cartridge Company	78/516415	12-Nov-2004	3113819	11-Jul-2006
GAME SHOK	Alliant Techsystems Inc.	78/218074	24-Feb-2003	2919891	18-Jan-2005
GAMEPOINT	Alliant Techsystems Inc.	78/460334	02-Aug-2004	3011104	01-Nov-2005
GET ON TARGET	Alliant Techsystems Inc.	77/181032	15-May-2007	3517328	14-Oct-2008
GLADIUS	Alliant Techsystems Inc.	78/512347	05-Nov-2004	3136948	29-Aug-2006
GOLD DOT	Alliant Techsystems Inc.	74/363507	26-Feb-1993	1898839	13-Jun-1995
GOLD DOT	Alliant Techsystems Inc.	76/169278	21-Nov-2000	2512419	27-Nov-2001
GOLD MEDAL	Federal Cartridge Company	73/235671	18-Oct-1979	1155509	26-May-1981
GOLD MEDAL	Federal Cartridge Company	75/707193	17-May-1999	2332839	21-Mar-2000
GOLD MEDAL	Federal Cartridge Company	74/319717	05-Oct-1992	1820567	08-Feb-1994
GORILLA RANGE BAG	Alliant Techsystems Inc.	77/679223	26-Feb-2009	3776884	20-Apr-2010
GRAND SLAM	Alliant Techsystems Inc.	77/633239	15-Dec-2008	3657231	21-Jul-2009

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**TRADEMARK**  
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GRAND SLAM	Alliant Techsystems Inc.	75/764097	30-Jul-1999	2605240	06-Aug-2002
GRAND SLAM	Alliant Techsystems Inc.	75/626517	21-Jan-1999	2326038	07-Mar-2000
GREEN DOT	Alliant Techsystems Inc.	224742	02-Aug-1965	816827	18-Oct-1966
GREEN TAG	Alliant Techsystems Inc.	73/833278	23-Oct-1989	1624729	27-Nov-1990
GUARD DOG	Alliant Techsystems Inc.	85/095957	29-Jul-2010	4036081	04-Oct-2011
GUN-DRI	Alliant Techsystems Inc.	78/431799	08-Jun-2004	3146416	19-Sep-2006
GUN-FLUSH	Alliant Techsystems Inc.	78/460333	02-Aug-2004	3182048	05-Dec-2006
GUN-FOAM	Alliant Techsystems Inc.	78/498438	12-Oct-2004	3030894	13-Dec-2005
GUN-SEAL	Alliant Techsystems Inc.	78/474915	27-Aug-2004	3066821	07-Mar-2006
GUNSLICK	Alliant Techsystems Inc.	72/075577	11-Jun-1959	699543	14-Jun-1960
GUNSLICK	Alliant Techsystems Inc.	72/098022	27-May-1960	714735	02-May-1961
GUNSLICK	Alliant Techsystems Inc.	72/098021	27-May-1960	714592	02-May-1961
GUNSLICK (stylized and/or with design)	Alliant Techsystems Inc.	78/456437	26-Jul-2004	3133973	22-Aug-2006
GUNSLICK (stylized and/or with design)	Alliant Techsystems Inc.	78/456435	26-Jul-2004	3169538	07-Nov-2006
GUNSLICK (stylized and/or with design)	Alliant Techsystems Inc.	78/456442	26-Jul-2004	3136740	29-Aug-2006
GUNSLICK (stylized and/or with design)	Alliant Techsystems Inc.	78/456440	26-Jul-2004	3169539	07-Nov-2006
GUNSLICK (stylized and/or with design) Color	Alliant Techsystems Inc.	78/456396	26-Jul-2004	3136739	29-Aug-2006
GUNSLICK (stylized and/or with design) Color	Alliant Techsystems Inc.	78/456398	26-Jul-2004	3130820	15-Aug-2006

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GUNSLICK (stylized and/or with design) Color	Alliant Techsystems Inc.	78/456394	26-Jul-2004	3259153	03-Jul-2007
GUNSLICK (stylized and/or with design) Color	Alliant Techsystems Inc.	78/456402	26-Jul-2004	3262023	10-Jul-2007
HALF STAMP Logo	Alliant Techsystems Inc.	78/346828	31-Dec-2003	3065039	07-Mar-2006
HALF STAMP Logo & Design	Alliant Techsystems Inc.	78/350077	09-Jan-2004	2985151	16-Aug-2005
HALF STAMP Logo & Design	Alliant Techsystems Inc.	78/350084	09-Jan-2004	3086234	25-Apr-2006
HEADSTAMP Logo	Alliant Techsystems Inc.	78/462391	05-Aug-2004	3169562	07-Nov-2006
HEAVYWEIGHT	Federal Cartridge Company	78/452494	19-Jul-2004	3424052	06-May-2008
HERC HEAD	Alliant Techsystems Inc.	85/368869	12-Jul-2011	4114441	20-Mar-2012
HERCO	Alliant Techsystems Inc.	71/238655	15-Oct-1926	225253	15-Mar-1927
HIGH DENSITY	Alliant Techsystems Inc.	78/464588	09-Aug-2004	3022250	29-Nov-2005
HIGH FLY	Alliant Techsystems Inc.	78/331428	21-Nov-2003	3021839	29-Nov-2005
HI-POWER	Federal Cartridge Company	73/826026	18-Sep-1989	1607415	24-Jul-1990
HI-SHOK	Alliant Techsystems Inc.	72/160415	19-Jan-1963	765673	25-Feb-1964
HI-SHOK	Alliant Techsystems Inc.	72/321207	10-Mar-1969	891883	02-Jun-1970
HONOR AS A WAY OF LIFE	Alliant Techsystems Inc.	78/618608	28-Apr-2005	3437728	27-May-2008
HONOR AS A WAY OF LIFE	Alliant Techsystems Inc.	78/618614	28-Apr-2005	3129097	15-Aug-2006
HONOR AS A WAY OF LIFE	Alliant Techsystems Inc.	78/618602	28-Apr-2005	3129096	15-Aug-2006
HONOR AS A WAY OF LIFE	Alliant Techsystems Inc.	78/618598	28-Apr-2005	3129095	15-Aug-2006

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HONOR AS A WAY OF LIFE	Alliant Techsystems Inc.	78/618622	28-Apr-2005	3129098	15-Aug-2006
HOT-COR	Alliant Techsystems Inc.	78/224157	11-Mar-2003	2853645	15-Jun-2004
HST	Alliant Techsystems Inc.	85/191996	07-Dec-2010	3989952	05-Jul-2011
HUNTERS FOR CONSERVATION	Alliant Techsystems Inc.	74/099719	24-Sep-1990	1697216	23-Jun-1992
HYDRA-SHOK	Alliant Techsystems Inc.	73/827192	25-Sep-1989	1594112	01-May-1990
I.T.S.	Alliant Techsystems Inc.	77/402664	21-Feb-2008	3575093	17-Feb-2009
INDEPENDENCE	Federal Cartridge Company	78/332022	24-Nov-2003	2979593	26-Jul-2005
INDEPENDENCE & Design (Color)	Federal Cartridge Company	78/349715	09-Jan-2004	3086233	25-Apr-2006
IN-SIGHT	Alliant Techsystems Inc.	78/360855	02-Feb-2004	2974474	19-Jul-2005
IN-SIGHT & Design	Alliant Techsystems Inc.	78/360989	02-Feb-2004	2979802	26-Jul-2005
INTEGRATED TOURNIQUET SYSTEM	Alliant Techsystems Inc.	77/402723	21-Feb-2008	3545553	09-Dec-2008
K and Design	Alliant Techsystems Inc.	77/904940	05-Jan-2009	3828172	03-Aug-2010
KNOCK KNOCK	Alliant Techsystems Inc.	78/847649	28-Mar-2006	3246875	29-May-2007
KNOXX	Alliant Techsystems Inc.	77/904927	05-Jan-2009	3828171	03-Aug-2010
LAWMAN	Alliant Techsystems Inc.	73/833277	23-Oct-1989	1768573	04-May-1993
LUBE-A-MATIC	Alliant Techsystems Inc.	73/045235	26-Feb-1975	1034650	02-Mar-1976
MATCHBIRD	Alliant Techsystems Inc.	78/331435	21-Nov-2003	2988176	23-Aug-2005
MAXI MAG	Alliant Techsystems Inc.	73/833273	23-Oct-1989	1600688	12-Jun-1990

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**TRADEMARK**  
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MEGA design	Alliant Techsystems Inc.	78/548487	17-Jan-2005	3214759	06-Mar-2007
MEGA ELITE design	Alliant Techsystems Inc.	78/548482	17-Jan-2005	3223866	03-Apr-2007
MICRO-TRAC	Alliant Techsystems Inc.	73/134971	22-Jul-1977	1100628	29-Aug-1978
MINI-MAG	Alliant Techsystems Inc.	78/630253	16-May-2005	3422827	06-May-2008
MOD	Alliant Techsystems Inc.	78/440015	23-Jun-2004	2987531	23-Aug-2005
MOD MADE IN USA TACTICAL KNIVES and Design	Alliant Techsystems Inc.	78/440469	24-Jun-2004	3049139	24-Jan-2006
MONKEY BAG	Alliant Techsystems Inc.	77/530362	24-Jul-2008	3873905	09-Nov-2010
MULTI-PURPOSE	Federal Cartridge Company	75/022160	20-Nov-1995	2045204	11-Mar-1997
NDEVIEWER	Alliant Techsystems Inc.	78/370385	19-Feb-2004	3001135	27-Sep-2005
NIGHT-OPS	Alliant Techsystems Inc.	78/519025	18-Nov-2004	3102110	06-Jun-2006
NOTHING SHALL STAND IN YOUR WAY	Alliant Techsystems Inc.	76/535433	25-Jul-2003	2902909	16-Nov-2004
NU-GUN	Alliant Techsystems Inc.	78/431809	08-Jun-2004	3118101	18-Jul-2006
NYCLAD	Federal Cartridge Company	73/191115	27-Oct-1978	1148863	24-Mar-1981
OMEGA	Alliant Techsystems Inc.	75/051462	31-Jan-1996	2068943	10-Jun-1997
OUTERS	Alliant Techsystems Inc.	73/804844	05-Jun-1989	1632806	29-Jan-1991
OUTERS (stylized and/or with design)	Alliant Techsystems Inc.	77/017490	10-Oct-2006	3229042	17-Apr-2007
OUTERS (stylized and/or with design)	Alliant Techsystems Inc.	77/017480	10-Oct-2006	3278559	14-Aug-2007
OUTERS (stylized and/or with design)	Alliant Techsystems Inc.	77/017485	10-Oct-2006	3229041	17-Apr-2007

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**TRADEMARK**  
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OUTERS (stylized and/or with design)	Alliant Techsystems Inc.	77/017478	10-Oct-2006	3278558	14-Aug-2007
OUTERS (stylized and/or with design)	Alliant Techsystems Inc.	77/017462	10-Oct-2006	3621341	19-May-2009
OUTERS (stylized and/or with design)	Alliant Techsystems Inc.	77/017466	10-Oct-2006	3229040	17-Apr-2007
OW	Alliant Techsystems Inc.	78/355521	22-Jan-2004	3000983	27-Sep-2005
OW (Stylized)	Alliant Techsystems Inc.	78/407171	23-Apr-2004	3061142	21-Feb-2006
OW OUTDOOR WRITERS Logo (Color)	Alliant Techsystems Inc.	78/355524	22-Jan-2004	2994468	13-Sep-2005
PERFORMANCE RULES!	Alliant Techsystems Inc.	78/618643	28-Apr-2005	3232469	24-Apr-2007
PERFORMANCE RULES!	Alliant Techsystems Inc.	78/618630	28-Apr-2005	3232468	24-Apr-2007
PERSONAL DEFENSE	Federal Cartridge Company	77/285826	21-Sep-2007	3435322	27-May-2008
PERSONAL DEFENSE	Federal Cartridge Company	75/200915	20-Nov-1996	2112332	11-Nov-1997
PLINKER	Alliant Techsystems Inc.	72/116929	31-Mar-1961	726419	16-Jan-1962
POWER PISTOL	Alliant Techsystems Inc.	74/731662	20-Sep-1995	2079998	15-Jul-1997
POWER PRO	Alliant Techsystems Inc.	77/540540	06-Aug-2008	3850650	21-Sep-2010
POWER SHOK	Alliant Techsystems Inc.	78/218058	24-Feb-2003	2919889	18-Jan-2005
POW'R PULL	Alliant Techsystems Inc.	74/516123	20-Apr-1994	1888379	11-Apr-1995
PRAIRIE STORM	Alliant Techsystems Inc.	77/853511	21-Oct-2009	3909037	18-Jan-2011
PRECISIONEERED	Alliant Techsystems Inc.	73/488051	02-Jul-1984	1368571	05-Nov-1985
PREMIUM	Federal Cartridge Company	75/089284	16-Apr-1996	2047681	25-Mar-1997

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**TRADEMARK**  
**REEL: 005162 FRAME: 0323**

PREMIUM	Federal Cartridge Company	78/332029	24-Nov-2003	3209544	13-Feb-2007
PREMIUM	Federal Cartridge Company	75/716522	24-May-1999	2401652	07-Nov-2000
PREMIUM PARTNERS	Alliant Techsystems Inc.	78/549411	18-Jan-2005	3262262	10-Jul-2007
PREMIUM PARTNERS	Alliant Techsystems Inc.	78/549408	18-Jan-2005	3163812	24-Oct-2006
PREMIUM PARTNERS	Alliant Techsystems Inc.	78/549410	18-Jan-2005	3175140	21-Nov-2006
PREMIUM PARTNERS	Alliant Techsystems Inc.	78/549406	18-Jan-2005	3370224	15-Jan-2008
PREMIUM SAFARI	Federal Cartridge Company	74/326416	29-Oct-1992	1778868	29-Jun-1993
PRO 2000	Alliant Techsystems Inc.	75/882162	27-Dec-1999	2548145	12-Mar-2002
PRO REACH	Alliant Techsystems Inc.	77/513102	02-Jul-2008	3788001	11-May-2010
PROMO	Alliant Techsystems Inc.	75/574681	21-Oct-1998	2360820	20-Jun-2000
QUAD LOCK	Alliant Techsystems Inc.	78/329826	19-Nov-2003	3069054	14-Mar-2006
R.A.S.S.	Alliant Techsystems Inc.	77/141126	27-Mar-2007	3938209	29-Mar-2011
RC-130	Alliant Techsystems Inc.	75/436601	18-Feb-1998	2245875	18-May-1999
RCBS	Alliant Techsystems Inc.	72/228073	17-Sep-1965	820178	13-Dec-1966
RCBS	Alliant Techsystems Inc.	78/272027	09-Jul-2003	2910629	14-Dec-2004
RCBS	Alliant Techsystems Inc.	78/272019	09-Jul-2003	2994209	13-Sep-2005
RCBS	Alliant Techsystems Inc.	85/756844	17-Oct-2012	4317250	09-Apr-2013
RCBS	Alliant Techsystems Inc.	78/272016	09-Jul-2003	2984983	16-Aug-2005

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**TRADEMARK**  
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RCBS	Alliant Techsystems Inc.	78/272013	09-Jul-2003	2988933	30-Aug-2005
RED DOT	Alliant Techsystems Inc.	73/439459	15-Aug-1983	1298733	02-Oct-1984
RELODER (Stylized)	Alliant Techsystems Inc.	72/224743	02-Aug-1965	0816481	11-Oct-1966
RELODER 10X	Alliant Techsystems Inc.	76/312651	12-Sep-2001	2967513	12-Jul-2005
RHT	Alliant Techsystems Inc.	75/711697	21-May-1999	2416529	26-Dec-2000
Rock Chucker	Alliant Techsystems Inc.	77/059282	07-Dec-2006	3400666	25-Mar-2008
S SPEER & Design	Alliant Techsystems Inc.	78/769475	08-Dec-2005	3287053	28-Aug-2007
S.T.R.I.K.E.	Alliant Techsystems Inc.	78/548470	17-Jan-2005	3041727	10-Jan-2006
S.T.R.I.K.E.	Alliant Techsystems Inc.	78/548468	17-Jan-2005	3122850	01-Aug-2006
SCORE KEEPER	Alliant Techsystems Inc.	73/729519	17-May-1988	1521117	17-Jan-1989
SECAS	Alliant Techsystems Inc.	77/926715	03-Feb-2010	3962895	17-May-2011
SERPA	Alliant Techsystems Inc.	78/829678	06-Mar-2006	3195367	02-Jan-2007
SERPA	Alliant Techsystems Inc.	85/142032	30-Sep-2010	4058597	22-Nov-2011
SHOCK WAVE	Alliant Techsystems Inc.	78/804535	01-Feb-2006	3616085	05-May-2009
SHOCKWAVE Logo	Federal Cartridge Company	77/292506	01-Oct-2007	3435638	27-May-2008
SHOCKWAVE Logo	Federal Cartridge Company	78/313162	14-Oct-2003	3012085	01-Nov-2005
SHOCKWAVE Logo	Federal Cartridge Company	78/976464	14-Oct-2003	3178657	28-Nov-2006
SHOCKWAVE Logo	Federal Cartridge Company	78/715403	19-Sep-2005	3345514	27-Nov-2007

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**TRADEMARK**  
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SHORT BARREL	Alliant Techsystems Inc.	78/516759	15-Nov-2004	3072298	21-Mar-2006
SKYBIRD	Alliant Techsystems Inc.	78/331431	21-Nov-2003	3002755	27-Sep-2005
SPEED SHOK	Alliant Techsystems Inc.	78/218070	24-Feb-2003	2919890	18-Jan-2005
SPEER	Alliant Techsystems Inc.	73/135772	29-Jul-1977	1101411	05-Sep-1978
SPEER BULLETS EST. 1943 (stylized and/or with design)	Alliant Techsystems Inc.	77/272686	06-Sep-2007	3522027	21-Oct-2008
SPEER LE (S-Design Logo)	Alliant Techsystems Inc.	78/713848	15-Sep-2005	3370379	15-Jan-2008
SPORTSTER	Alliant Techsystems Inc.	85/079164	07-Jul-2010	3922872	22-Feb-2011
SPORTSTER	Alliant Techsystems Inc.	85/079171	07-Jul-2010	4126166	10-Apr-2012
STALK STICK	Alliant Techsystems Inc.	78/331998	24-Nov-2003	2982099	02-Aug-2005
STEADY BAG	Alliant Techsystems Inc.	78/336890	05-Dec-2003	2985103	16-Aug-2005
STEADY POD	Alliant Techsystems Inc.	78/331996	24-Nov-2003	3064327	28-Feb-2006
STEADY POINT	Alliant Techsystems Inc.	78/332013	24-Nov-2003	3074372	28-Mar-2006
STEEL	Alliant Techsystems Inc.	75/381818	30-Oct-1997	2322545	22-Feb-2000
STINGER	Alliant Techsystems Inc.	73/833352	23-Oct-1989	1608156	31-Jul-1990
STRUT SHOK	Federal Cartridge Company	78/739653	25-Oct-2005	3532503	11-Nov-2008
SUPER SLAM	Alliant Techsystems Inc.	77/542601	08-Aug-2008	3845759	07-Sep-2010
SUPER SPORT	Alliant Techsystems Inc.	78/418169	13-May-2004	3022068	29-Nov-2005
SUPER SPORT	Federal Cartridge Company	75/931196	29-Feb-2000	2575149	04-Jun-2002

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**TRADEMARK**  
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TACTICAL	Federal Cartridge Company	74/680859	30-May-1995	2091808	26-Aug-1997
TECHNICALLY SUPERIOR BY DESIGN	Alliant Techsystems Inc.	75/505575	19-Jun-1998	2683928	04-Feb-2003
THE FEDERAL EXPERIENCE	Alliant Techsystems Inc.	77/095847	31-Jan-2007	3454623	24-Jun-2008
THE LEADER IN RIMFIRE AMMUNITION	Alliant Techsystems Inc.	78/406906	23-Apr-2004	3151677	03-Oct-2006
THE WORLD'S FINEST TACTICAL GEAR	Alliant Techsystems Inc.	78/873279	01-May-2006	3209132	13-Feb-2007
TMJ	Alliant Techsystems Inc.	73/833272	23-Oct-1989	1600687	12-Jun-1990
TNT	Alliant Techsystems Inc.	77/233635	19-Jul-2007	3578533	24-Feb-2009
TNT	Alliant Techsystems Inc.	75/940859	09-Mar-2000	2475437	07-Aug-2001
TNT GREEN	Alliant Techsystems Inc.	77/259486	20-Aug-2007	3702170	29-Oct-2009
TOP GUN	Alliant Techsystems Inc.	77/348225	10-Dec-2007	3471745	22-Jul-2008
TOXIC-METAL FREE	Federal Cartridge Company	75/027144	04-Dec-1995	2018517	19-Nov-1996
TRAP TAXI	Alliant Techsystems Inc.	78/665364	07-Jul-2005	3276995	07-Aug-2007
TRILOK	Alliant Techsystems Inc.	78/523564	29-Nov-2004	3345150	27-Nov-2007
TRIM PRO	Alliant Techsystems Inc.	74/515949	20-Apr-1994	1962369	12-Mar-1996
TRIPLE PLUS	Federal Cartridge Company	72/370088	08-Sep-1970	920023	14-Sep-1971
TRIPLE-SHOCK	Alliant Techsystems Inc.	78/744703	01-Nov-2005	3369232	15-Jan-2008
TRU	Alliant Techsystems Inc.	85/192006	07-Dec-2010	3989953	05-Jul-2011
TRUBALL	Federal Cartridge Company	78/452570	19-Jul-2004	3115116	11-Jul-2006

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**TRADEMARK**  
**REEL: 005162 FRAME: 0327**



ULTRA SHOK	Alliant Techsystems Inc.	78/218046	24-Feb-2003	2919888	18-Jan-2005
ULTRA-KLENZ	Alliant Techsystems Inc.	78/474910	27-Aug-2004	3151844	03-Oct-2006
ULTRAMATCH	Federal Cartridge Company	78/426246	27-May-2004	3096562	23-May-2006
UNI-COR	Alliant Techsystems Inc.	74/363505	26-Feb-1993	1797732	12-Oct-1993
UNIQUE	Alliant Techsystems Inc.	71/077286	07-Apr-1914	99306	25-Aug-1914
V SHOK	Alliant Techsystems Inc.	78/218036	24-Feb-2003	2919887	18-Jan-2005
VARMINTER	Alliant Techsystems Inc.	73/685946	24-Sep-1987	1570827	12-Dec-1989
VELOCITOR	Alliant Techsystems Inc.	78/785725	05-Jan-2006	3165303	31-Oct-2006
VISICHALK	Alliant Techsystems Inc.	77/075427	03-Jan-2007	3517109	14-Oct-2008
VISICOLOR	Alliant Techsystems Inc.	78/669185	13-Jul-2005	3240630	08-May-2007
VISISHOT	Alliant Techsystems Inc.	78/330833	20-Nov-2003	2974196	19-Jul-2005
VITAL SHOK	Alliant Techsystems Inc.	78/218028	24-Feb-2003	2919885	18-Jan-2005
VOYAGER	Alliant Techsystems Inc.	77/353966	17-Dec-2007	3683824	15-Sep-2009
VOYAGER SHOOTING SYSTEM	Alliant Techsystems Inc.	77/328315	13-Nov-2007	3677203	01-Sep-2009
WEAVER	Alliant Techsystems Inc.	72/153036	12-Sep-1962	755453	27-Aug-1963
WEAVER - COPPER LOGO	Alliant Techsystems Inc.	77/671693	17-Feb-2009	3804208	15-Jun-2010
WEAVER - Gold Logo	Alliant Techsystems Inc.	77/671687	17-Feb-2009	3804207	15-Jun-2010
WEAVER - Green Logo	Alliant Techsystems Inc.	85/083019	13-Jul-2010	4005031	02-Aug-2011

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WEAVER - Green Logo	Alliant Techsystems Inc.	85/083020	13-Jul-2010	4014863	23-Aug-2011
WEAVER - Green Logo	Alliant Techsystems Inc.	77/671684	17-Feb-2009	3804206	15-Jun-2010
WEAVER - Green Logo	Alliant Techsystems Inc.	77/671682	17-Feb-2009	3887019	07-Dec-2010
WEAVER - Green Logo	Alliant Techsystems Inc.	85/116687	26-Aug-2010	85/116687	03-Jan-2012
WEAVER - Tactical	Alliant Techsystems Inc.	77/673143	18-Feb-2009	3874163	09-Nov-2010
WEAVER - Tactical	Alliant Techsystems Inc.	77/673149	18-Feb-2009	3874164	09-Nov-2010
WEAVER (Word Mark)	Alliant Techsystems Inc.	85/083021	13-Jul-2010	4075960	27-Dec-2011
WEAVER (Word Mark)	Alliant Techsystems Inc.	85/082314	12-Jul-2010	4014856	23-Aug-2011
WEAVER (Word Mark)	Alliant Techsystems Inc.	85/083022	13-Jul-2010	4005032	02-Aug-2011
WEAVER CLASSIC	Alliant Techsystems Inc.	75/758698	23-Jul-1999	2413218	12-Dec-2000
WHEEL Design	Alliant Techsystems Inc.	75/563730	05-Oct-1998	2669449	31-Dec-2002
WING SHOK	Alliant Techsystems Inc.	78/218052	24-Feb-2003	2921576	25-Jan-2005
WW and Design	Alliant Techsystems Inc.	78/844618	23-Mar-2006	3222203	27-Mar-2007
WW and Design	Alliant Techsystems Inc.	78/811053	09-Feb-2006	3183826	12-Dec-2006
WW BLACKHAWK! WARRIOR WEAR and Design	Alliant Techsystems Inc.	78/845095	24-Mar-2006	4092771	31-Jan-2012
X DIE	Alliant Techsystems Inc.	76/090336	17-Jul-2000	2563180	23-Apr-2002
XRAY	Alliant Techsystems Inc.	78/336888	05-Dec-2003	3066631	07-Mar-2006

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**TRADEMARK**  
**REEL: 005162 FRAME: 0329**

Trademark	Jurisdiction	Image	Application Number	Application Date	Registration Number	Registration Date	Owner	Status
FOX	Canada		21849800	13-Feb-1953	UCA045143	13-Feb-1953	Savage Arms, Inc.	Registered
SAVAGE	Canada		23916500	24-Jan-1957	TMA128917	30-Nov-1962	Savage Arms, Inc.	Registered
STEVENS	Canada		21871500	2-Mar-1953	UCA045719	02-Mar-1953	Savage Arms, Inc.	Registered
INDIAN CHIEF DESIGN	Canada		28571600	12-Nov-1964	TMA141380	20-Aug-1965	Savage Arms, Inc.	Registered
SAVAGE DESIGN	Canada	<b>Savage</b>	29099200	03-Aug-1965	TMA143265	31-Dec-1965	Savage Arms, Inc.	Registered
Design Only	Germany		A 14485	27-Jun-1964	832855	11-May-1967	Savage Arms, Inc.	Registered
SAVAGE	Germany		A 14484	27-Jun-1964	841255	15-Jan-1968	Savage Arms, Inc.	Registered
STEVENS	Germany		A 14197	01-Apr-1964	829784	13-Feb-1967	Savage Arms, Inc.	Registered
FOX	United States	<b>FOX</b>	71657734	09-Dec-1953	595060	14-Sep-1954	Savage Arms, Inc.	Registered
SAVAGE	United States		71070070	25-Apr-1913	100629	20-Oct-1914	Savage Arms, Inc.	Registered
STEVENS	United States	<b>STEVENS</b>	71066946	16-Nov-1912	91391	29-Apr-1913	Savage Arms, Inc.	Registered
POR-TA TARGET	United States		74089315	20-Aug-1990	1665126	19-Nov-1991	Savage Range Systems, Inc.	Registered
FORENSIC BUDDY	United States	FORENSIC BUDDY	78722434	28-Sep-2005	3138918	05-Sep-2006	Savage Sports Corporation	Registered
HUNTER'S EDGE	United States	HUNTER'S EDGE	78723290	29-Sep-2005	3297336	25-Sep-2007	Savage Sports Corporation	Registered

## U.S. Pending Trademarks

Trademark Name	Owner	App Number	Filing Date
ARMORY and Design	Alliant Techsystems Inc.	85/828812	22-Jan-2013
! and Design	Alliant Techsystems Inc.	85/910843	22-Apr-2013
! and Design	Alliant Techsystems Inc.	85/910837	22-Apr-2013
! and Design	Alliant Techsystems Inc.	85/910822	22-Apr-2013
BLACKHAWK!	Alliant Techsystems Inc.	77/918153	22-Jan-2010
BLACKHAWK!	Alliant Techsystems Inc.	77/918108	22-Jan-2010
BLACKHAWK!	Alliant Techsystems Inc.	85/806509	19-Dec-2012
BLACKHAWK! WARRIOR WEAR	Alliant Techsystems Inc.	78/676018	22-Jul-2005
CRAZY BOUNCE	Alliant Techsystems Inc.	85/690198	30-Jul-2012
EMERALD X	Alliant Techsystems Inc.	85/148193	08-Oct-2010
EMERALD X	Alliant Techsystems Inc.	85/148184	08-Oct-2010

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**TRADEMARK**  
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EPOCH	Alliant Techsystems Inc.	85/692541	01-Aug-2012
EXTREME SHOCK	Alliant Techsystems Inc.	85/020699	22-Apr-2010
GOLD DOT G2	Alliant Techsystems Inc.	85/524233	24-Jan-2012
GRIPBREAK	Alliant Techsystems Inc.	85/710916	22-Aug-2012
GUN-FLUSH	Alliant Techsystems Inc.	85/972125	27-Jun-2013
INVICTUS	Alliant Techsystems Inc.	85/451813	20-Oct-2011
LIBERTY	Alliant Techsystems Inc.	85/195197	10-Dec-2010
MEGA design	Alliant Techsystems Inc.	78/550543	20-Jan-2005
MEGA ELITE design	Alliant Techsystems Inc.	78/548473	17-Jan-2005
OMEGA	Alliant Techsystems Inc.	85/941963	24-May-2013
OMEGA	Alliant Techsystems Inc.	85/941948	24-May-2013
OMEGA ELITE	Alliant Techsystems Inc.	85/941994	24-May-2013
OMEGA ELITE	Alliant Techsystems Inc.	85/942008	24-May-2013
PRO CHUCKER	Alliant Techsystems Inc.	86/006973	10-Jul-2013
SPORTSTER	Alliant Techsystems Inc.	85/079168	11-Jul-2010
STRIKEVIEW	Alliant Techsystems Inc.	85/828767	21-Jan-2013
SUMMIT	Alliant Techsystems Inc.	85/699470	09-Aug-2012
SYNTECH	Alliant Techsystems Inc.	86/074472	25-Sep-2013
TECGRIP	Alliant Techsystems Inc.	85/913612	24-Apr-2013
TRAUMAHAWK	Alliant Techsystems Inc.	86/007664	11-Jul-2013
TRIO	Alliant Techsystems Inc.	85/728654	13-Sep-2012
Under The Radar	Alliant Techsystems Inc.	85/731622	18-Sep-2012
VERSA-HARNESS	Alliant Techsystems Inc.	85/690677	30-Jul-2012
VERSA-HARNESS	Alliant Techsystems Inc.	85/690677	30-Jul-2012
WARRIOR WEAR	Alliant Techsystems Inc.	78/676037	22-Jul-2005
AXIS	Caliber Company		

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**TRADEMARK**  
**REEL: 005162 FRAME: 0331**

ACCUSTOCK	Caliber Company		
3-DIMENSIONAL BEDDING	Caliber Company		
B.MAG	Caliber Company		
A.MAG	Caliber Company		
TROPHY HUNTER	Caliber Company		
RASCAL	Caliber Company		
A.22	Caliber Company		
B.22	Caliber Company		
ACCUTRIGGER	Caliber Company		

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**TRADEMARK**  
**REEL: 005162 FRAME: 0332**

**Schedule C  
Copyrights**

Copyright Name	Country	Registration Number	Registration Date	Claimant
HDM : COMPUTER PROGRAM FOR GENERATION OF FIBER PLACEMENT MACHINE CONTROL TABLES	US	TXu000766187	9-Oct-1997	Alliant Techsystems, Inc.
OFFLINE PROGRAMMING SYSTEM FOR FIBER PLACEMENT: A.K.A. HDM	US	TXu000766194	9-Oct-1997	Alliant Techsystems, Inc.
PRIMER DROP TEST MODELING	US	TXu001661006	29-May-2008	Alliant Techsystems Inc.