

**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.		10/07/2010	CORPORATION: DELAWARE
AMMUNITION ACCESSORIES INC.		10/07/2010	CORPORATION: DELAWARE
ATK COMMERCIAL AMMUNITION COMPANY INC.		10/07/2010	CORPORATION: DELAWARE
ATK COMMERCIAL AMMUNITION HOLDINGS COMPANY INC.		10/07/2010	CORPORATION: DELAWARE
ATK LAUNCH SYSTEMS INC.		10/07/2010	CORPORATION: DELAWARE
ATK SPACE SYSTEMS INC.		10/07/2010	CORPORATION: DELAWARE
FEDERAL CARTRIDGE COMPANY		10/07/2010	CORPORATION: DELAWARE
EAGLE INDUSTRIES UNLIMITED, INC.		10/07/2010	CORPORATION: DELAWARE
EAGLE MAYAGUEZ, LLC		10/07/2010	LIMITED LIABILITY COMPANY: DELAWARE
EAGLE NEW BEDFORD, INC.		10/07/2010	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: 482**

Property Type	Number	Word Mark
Serial Number:	77747271	BLACK DOT
Serial Number:	77918108	BLACKHAWK!
Serial Number:	77918153	BLACKHAWK!

CH \$12065.00 77747271

Serial Number:	78676018	BLACKHAWK! WARRIOR WEAR
Serial Number:	77017032	CHAMPION
Serial Number:	77021188	CHAMPION
Serial Number:	77021190	CHAMPION
Serial Number:	77851472	DEEPCURL
Serial Number:	77797253	EXTRA-LITE
Serial Number:	85020699	EXTREME SHOCK
Serial Number:	77882603	FEDERAL PREMIUM AMMUNITION PRAIRIE STORM
Serial Number:	77882599	FEDERAL PREMIUM AMMUNITION PRAIRIE STORM
Serial Number:	77092291	FORCE ON FORCE
Serial Number:	77854153	GEARHOG
Serial Number:	85095957	GUARD DOG
Serial Number:	77533414	H2STORE
Serial Number:	77463901	HYSPIKE
Serial Number:	77530362	MONKEY BAG
Serial Number:	77590522	NITREX
Serial Number:	77590527	NITREX OPTICS
Serial Number:	78548473	MEGA ELITE
Serial Number:	77853511	PRAIRIE STORM
Serial Number:	77141126	R.A.S.S.
Serial Number:	77926715	SECAS
Serial Number:	77921059	SHORT BARREL
Serial Number:	85079164	SPORTSTER
Serial Number:	85079168	SPORTSTER
Serial Number:	85079171	SPORTSTER
Serial Number:	77542597	SUPER SLAM
Serial Number:	78676037	WARRIOR WEAR
Serial Number:	85083022	WEAVER
Serial Number:	85083021	WEAVER
Serial Number:	85082314	WEAVER
Serial Number:	85083020	WEAVER
Serial Number:	85083019	WEAVER
Serial Number:	77671682	WEAVER
Serial Number:	85116687	WEAVER
Serial Number:	77673143	WEAVER

Serial Number:	77673149	WEAVER
Serial Number:	85116648	WEAVER
Serial Number:	85110052	FEDERAL AMMUNITION CHAMPION
Serial Number:	78845095	WW BLACKHAWK! WARRIORWEAR
Serial Number:	77659374	GET YOUR DRINK ON
Serial Number:	77659426	WATERPOINT
Serial Number:	77790367	BOLT
Registration Number:	2803714	410
Registration Number:	2062642	2400
Registration Number:	2002913	ALLIANT POWDER
Registration Number:	2375888	ALLIANT POWDER TECHNICALLY SUPERIOR BY DESIGN
Registration Number:	0577427	AMERICAN EAGLE
Registration Number:	0781203	AMERICAN EAGLE
Registration Number:	1671071	AMERICAN EAGLE
Registration Number:	0267303	AMERICAN EAGLE
Registration Number:	0808014	AMERICAN EAGLE
Registration Number:	0783485	AMERICAN EAGLE
Registration Number:	1600686	AMERICAN EAGLE
Registration Number:	0595057	
Registration Number:	0808748	
Registration Number:	0782263	
Registration Number:	3679736	AMERICAN SELECT
Registration Number:	1826448	AMERICAN SPORTER
Registration Number:	1690080	AMMOMASTER
Registration Number:	2080002	APS
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:	3163831	ATK PREMIUM PARTNERS
Registration Number:	3262289	ATK PREMIUM PARTNERS
Registration Number:	3163830	ATK PREMIUM PARTNERS

Registration Number:	3151595	ATK THIOKOL
Registration Number:	3163427	ATK THIOKOL
Registration Number:	3163426	ATK THIOKOL
Registration Number:	3069561	AVIATOR
Registration Number:	3510584	AVIATOR
Registration Number:	2012000	BALLISTICLEAN
Registration Number:	0679813	BAR BUOY
Registration Number:	2021066	BHI
Registration Number:	1253801	BIKE-BUOY
Registration Number:	3357898	BLACK CLOUD
Registration Number:	3349215	BLACKCLOUD
Registration Number:	3499586	
Registration Number:	2207855	BLACKHAWK
Registration Number:	3100315	BLACKHAWK
Registration Number:	2737060	BLACKHAWK
Registration Number:	3156851	
Registration Number:	3100312	BLACKHAWK!
Registration Number:	3198084	BLACKHAWK!
Registration Number:	3203714	BLACKHAWK!
Registration Number:	3128839	BLACKHAWK!
Registration Number:	3582358	BLACKHAWK!
Registration Number:	3128831	BLACKHAWK! PRODUCTS GROUP
Registration Number:	3141280	BLACKHAWK! PRODUCTS GROUP
Registration Number:	3198080	BLACKHAWK! PRODUCTS GROUP
Registration Number:	3201466	BLACKHAWK! PRODUCTS GROUP
Registration Number:	3204019	BLACKHAWK! PRODUCTS GROUP
Registration Number:	3128841	BLACKHAWK! THE WORLD'S FINEST TACTICAL GEAR
Registration Number:	3128840	BLACKHAWK! THE WORLD'S FINEST TACTICAL GEAR
Registration Number:	3232395	BLACKHAWK! THE WORLD'S FINEST TACTICAL GEAR
Registration Number:	3232955	BLACKHAWK! THE WORLD'S FINEST TACTICAL GEAR
Registration Number:	3331281	BLACKHAWK! WARRIOR WEAR
Registration Number:	1232643	BLAZER
Registration Number:	0971715	BLUE DOT
Registration Number:	3309353	BOREBLAST
Registration Number:	0061982	BULLS EYE

Registration Number:	2168336	BUSHMASTER
Registration Number:	1236373	CADDIE-BUOY
Registration Number:	2919884	CAPE SHOK
Registration Number:	1885925	CASE MASTER
Registration Number:	1892898	CASE SLICK
Registration Number:	2545317	CASTCORE
Registration Number:	1851879	CASTOR
Registration Number:	1851878	CASTOR 120
Registration Number:	0831313	CCI
Registration Number:	3174875	CCI
Registration Number:	3149538	CCI
Registration Number:	3143215	CCI
Registration Number:	3261939	CCI
Registration Number:	3259134	CCI
Registration Number:	3112957	CCI
Registration Number:	3389952	CCI
Registration Number:	3309511	CCI
Registration Number:	3186025	CCI SELECT
Registration Number:	3309512	CCI V
Registration Number:	1047223	CHAIN GUN
Registration Number:	3841840	CHAMPION
Registration Number:	1054411	CHAMPION
Registration Number:	3077532	CHAMPION
Registration Number:	3555185	CHAMPION
Registration Number:	3016275	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:	3042639	CHAMPION TRAPS & TARGETS CRITTER SERIES
Registration Number:	3042643	CHAMPION TRAPS & TARGETS CRITTER SERIES
Registration Number:	3330356	CHEM-ID

Registration Number:	3338230	CIRAS
Registration Number:	2401619	CLASSIC
Registration Number:	1595232	CLASSIC HI-BRASS
Registration Number:	3124812	CLAY DOT
Registration Number:	1825074	CLEAN-FIRE
Registration Number:	2979774	CLOSE QUARTERS CONCEALMENT
Registration Number:	3020772	COPPER-KLENZ
Registration Number:	3161038	CQC
Registration Number:	2959198	DE
Registration Number:	3044826	DEDICATED TO MAKING A DIFFERENCE
Registration Number:	2472138	DEEP-SHOK
Registration Number:	1249869	DRINK-BUOY
Registration Number:	3374419	DROP DUCKS LIKE RAIN
Registration Number:	0907401	
Registration Number:	0907400	
Registration Number:	3562125	DURASEAL
Registration Number:	3438980	DYNAMIC ENTRY
Registration Number:	3155033	E3
Registration Number:	3166278	E3
Registration Number:	3629291	EAGLE
Registration Number:	1789291	EAGLE
Registration Number:	1673392	
Registration Number:	3629492	
Registration Number:	3127817	EASYBIRD
Registration Number:	3139958	E-BIRD
Registration Number:	2995068	ECI
Registration Number:	2970760	ESTATE
Registration Number:	2419305	ESTATE CARTRIDGE ECI
Registration Number:	2419306	ESTATE CARTRIDGE INC.
Registration Number:	3136636	EVERY SHOT COUNTS
Registration Number:	3069273	EVERY SHOT COUNTS
Registration Number:	3320532	EXPANDER
Registration Number:	2017887	EXTRA-LITE
Registration Number:	0729938	FEDERAL
Registration Number:	3124306	FEDERAL

Registration Number:	3199337	FEDERAL
Registration Number:	0908894	FEDERAL
Registration Number:	3244815	FEDERAL HI-POWER MONARK SHOT SHELLS
Registration Number:	2359927	FEDERAL PREMIUM
Registration Number:	3030760	FEDERAL PREMIUM
Registration Number:	3513153	FEDERAL PREMIUM AMMUNITION BLACKCLOUD FS STEEL
Registration Number:	3357380	FEDERAL PREMIUM AMMUNITION
Registration Number:	3574927	FEDERAL PREMIUM AMMUNITION
Registration Number:	3225603	FEDERAL PREMIUM
Registration Number:	3177933	FEDERAL PREMIUM
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
Registration Number:	3455918	FORCE ON FORCE
Registration Number:	3631945	FORCE ON FORCE
Registration Number:	3627536	FORCE ON FORCE
Registration Number:	3631944	FORCE ON FORCE
Registration Number:	3454515	FS STEEL
Registration Number:	3427636	FS STEEL
Registration Number:	3146532	FUSION
Registration Number:	3452727	FUSION
Registration Number:	3524712	FUSION LITE
Registration Number:	3113819	FUSION
Registration Number:	2919891	GAME SHOK
Registration Number:	3011104	GAMEPOINT
Registration Number:	3008782	GAMEPOINT
Registration Number:	3011126	GAMEPOINT
Registration Number:	3144240	GAMEPOINT
Registration Number:	3517328	GET ON TARGET
Registration Number:	3136948	GLADIUS
Registration Number:	1898839	GOLD DOT
Registration Number:	2512419	GOLD DOT
Registration Number:	3113646	GOLD MATCH

Registration Number:	2332839	GOLD MEDAL
Registration Number:	1820567	GOLD MEDAL
Registration Number:	1155509	GOLD MEDAL
Registration Number:	1909268	GOLD MEDAL
Registration Number:	1277037	GOLF-BUOY
Registration Number:	3776884	GORILLA RANGE BAG
Registration Number:	2605240	GRAND SLAM
Registration Number:	2326038	GRAND SLAM
Registration Number:	3657231	GRAND SLAM
Registration Number:	0816827	GREEN DOT
Registration Number:	1624729	GREEN TAG
Registration Number:	2974210	GUN SPIKE
Registration Number:	3146416	GUN-DRI
Registration Number:	3182048	GUN-FLUSH
Registration Number:	3030894	GUN-FOAM
Registration Number:	3066821	GUN-SEAL
Registration Number:	0699543	GUNSLICK
Registration Number:	0714735	GUNSLICK
Registration Number:	0714592	GUNSLICK
Registration Number:	0713048	GUNSLICK
Registration Number:	3136740	GUNSLICK
Registration Number:	3133973	GUNSLICK
Registration Number:	3169538	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:	3086234	
Registration Number:	2985151	
Registration Number:	3169562	
Registration Number:	3060041	HEAVY FIELD LOAD
Registration Number:	3424052	HEAVYWEIGHT
Registration Number:	2773126	HELLSTORM



Registration Number:	3225687	HELLSTORM PROTECTIVE GLOVES AND GEAR
Registration Number:	0225253	HERCO
Registration Number:	3244813	HI-POWER MONARK
Registration Number:	1596295	HI-BRASS
Registration Number:	3022250	HIGH DENSITY
Registration Number:	3021839	HIGH FLY
Registration Number:	1607415	HI-POWER
Registration Number:	0765673	HI-SHOK
Registration Number:	0891883	HI-SHOK
Registration Number:	3129095	HONOR AS A WAY OF LIFE
Registration Number:	3129096	HONOR AS A WAY OF LIFE
Registration Number:	3129097	HONOR AS A WAY OF LIFE
Registration Number:	3129098	HONOR AS A WAY OF LIFE
Registration Number:	3437728	HONOR AS A WAY OF LIFE
Registration Number:	2853645	HOT-COR
Registration Number:	2857960	HOT-COR
Registration Number:	1697216	HUNTERS FOR CONSERVATION
Registration Number:	1594112	HYDRA-SHOK
Registration Number:	3116344	HYDRASTORM HYDRATION SYSTEMS
Registration Number:	3232945	HYDRASTORM HYDRATION SYSTEMS
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
Registration Number:	3828172	K
Registration Number:	3024414	KICM
Registration Number:	3246875	KNOCK KNOCK
Registration Number:	2420247	KNOCKDOWN POWER
Registration Number:	3828171	KNOXX
Registration Number:	1768573	LAWMAN
Registration Number:	2995934	LOW RECOIL
Registration Number:	1034650	LUBE-A-MATIC
Registration Number:	3163337	MAG SHOK

Registration Number:	3338232	MAR-CIRAS
Registration Number:	2970714	MASTERS OF DEFENSE
Registration Number:	2988176	MATCHBIRD
Registration Number:	1600688	MAXI MAG
Registration Number:	1355807	MICRO CRAFT
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:	3244812	MONARK
Registration Number:	2045204	MULTI-PURPOSE
Registration Number:	2619087	NDEVIEWER
Registration Number:	3001135	NDEVIEWER
Registration Number:	3102110	NIGHT-OPS
Registration Number:	3664109	NITREX
Registration Number:	3599118	NITREX OPTICS
Registration Number:	2902909	NOTHING SHALL STAND IN YOUR WAY
Registration Number:	3118101	NU-GUN
Registration Number:	1148863	NYCLAD
Registration Number:	1594111	NYCLAD
Registration Number:	2545817	NYTANEON
Registration Number:	1189479	O
Registration Number:	1172163	O
Registration Number:	2068943	OMEGA
Registration Number:	1194957	ORBEX
Registration Number:	1226681	ORBEX
Registration Number:	1195816	ORBEX
Registration Number:	1189222	ORBEX
Registration Number:	1632806	OUTERS
Registration Number:	3229041	OUTERS
Registration Number:	3278559	OUTERS
Registration Number:	3278558	OUTERS
Registration Number:	3229040	OUTERS
Registration Number:	3621341	OUTERS
Registration Number:	3229042	OUTERS

Registration Number:	3000983	OW
Registration Number:	3061142	OW
Registration Number:	2994468	OW OUTDOOR WRITERS
Registration Number:	3128677	PERFORMANCE RULES!
Registration Number:	3232468	PERFORMANCE RULES!
Registration Number:	3232469	PERFORMANCE RULES!
Registration Number:	2112332	PERSONAL DEFENSE
Registration Number:	3435322	PERSONAL DEFENSE
Registration Number:	0726419	PLINKER
Registration Number:	2079998	POWER PISTOL
Registration Number:	3850650	POWER PRO
Registration Number:	2919889	POWER SHOK
Registration Number:	1888379	POW'R PULL
Registration Number:	3128217	PRECISION TUNED
Registration Number:	1368571	PRECISIONEERED
Registration Number:	2401652	PREMIUM
Registration Number:	2047681	PREMIUM
Registration Number:	3209544	PREMIUM
Registration Number:	3114907	PREMIUM
Registration Number:	1298731	PREMIUM
Registration Number:	3370224	PREMIUM PARTNERS
Registration Number:	3163812	PREMIUM PARTNERS
Registration Number:	3262262	PREMIUM PARTNERS
Registration Number:	3175140	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:	1346021	RAM-LINE
Registration Number:	2245875	RC-130
Registration Number:	820178	RCBS
Registration Number:	2988933	RCBS
Registration Number:	2984983	RCBS
Registration Number:	2994209	RCBS

Registration Number:	2910629	RCBS
Registration Number:	3163529	RCBS PROCENTER
Registration Number:	3133909	RCBS PROCENTER ALLIANT POWDER CCI SPEER FEDERAL
Registration Number:	3163528	RCBS PROCENTER
Registration Number:	1298733	RED DOT
Registration Number:	0816481	RELODER
Registration Number:	2967513	RELODER 10X
Registration Number:	3102111	REMOVING ANY SHADOW OF DOUBT
Registration Number:	2416529	RHT
Registration Number:	3400666	ROCK CHUCKER
Registration Number:	3114905	ROCK MOUNT
Registration Number:	3030244	ROCK STEADY
Registration Number:	3287053	S SPEER
Registration Number:	3041727	S.T.R.I.K.E.
Registration Number:	3122850	S.T.R.I.K.E.
Registration Number:	1242126	SAIL-BUOY
Registration Number:	3747601	SASQUATCH
Registration Number:	1521117	SCORE KEEPER
Registration Number:	3195367	SERPA
Registration Number:	3616085	SHOCK WAVE
Registration Number:	3012085	
Registration Number:	3024476	
Registration Number:	3345514	
Registration Number:	3178657	
Registration Number:	3435638	
Registration Number:	2994331	SHOOTERS RIDGE
Registration Number:	3204512	SHOOTERS RIDGE
Registration Number:	3142284	SHOOTERS RIDGE
Registration Number:	3145628	SHOOTERS RIDGE
Registration Number:	3215372	SHOOTERS RIDGE
Registration Number:	3142283	SHOOTERS RIDGE
Registration Number:	3249216	SHOOTERS RIDGE
Registration Number:	3603406	SHOOTERS RIDGE
Registration Number:	3077503	SHOOTERS RIDGE

Registration Number:	3215370	SHOOTERS RIDGE
Registration Number:	3212895	SHOOTERS RIDGE
Registration Number:	3603405	SHOOTERS RIDGE
Registration Number:	3042608	SHOOTERS RIDGE
Registration Number:	3217496	SHOOTERS RIDGE
Registration Number:	3217495	SHOOTERS RIDGE
Registration Number:	3215371	SHOOTERS RIDGE
Registration Number:	3249215	SHOOTERS RIDGE
Registration Number:	3072298	SHORT BARREL
Registration Number:	3250922	SHOTSHELL REVOLUTION
Registration Number:	3250923	SHOTSHELL REVOLUTION
Registration Number:	3002755	SKYBIRD
Registration Number:	3113224	SLING LOK
Registration Number:	3454472	SNAP-N-PULL
Registration Number:	2919890	SPEED SHOK
Registration Number:	1101411	SPEER
Registration Number:	3522027	SPEER BULLETS EST. 1943
Registration Number:	3370379	S SPEER LE
Registration Number:	3238266	SPIN-OFF
Registration Number:	3112769	SST
Registration Number:	2982099	STALK STICK
Registration Number:	2985103	STEADY BAG
Registration Number:	3064327	STEADY POD
Registration Number:	3074372	STEADY POINT
Registration Number:	2980846	STEADY RAX
Registration Number:	2322545	STEEL
Registration Number:	1608156	STINGER
Registration Number:	3774813	STORMCHASERS NETWORK
Registration Number:	3532503	STRUT SHOK
Registration Number:	3845759	SUPER SLAM
Registration Number:	2575149	SUPER SPORT
Registration Number:	3022068	SUPER SPORT
Registration Number:	2091808	TACTICAL
Registration Number:	3119827	TAKE YOUR THIRST BY STORM
Registration Number:	2683928	TECHNICALLY SUPERIOR BY DESIGN

TRADEMARK

REEL: 004408 FRAME: 0716

Registration Number:	3454623	FEDERAL EXPERIENCE
Registration Number:	3151677	THE LEADER IN RIMFIRE AMMUNITION
Registration Number:	3072262	THE LEADER IN RIMFIRE AMMUNITION
Registration Number:	3088901	THE LEADER IN RIMFIRE AMMUNITION
Registration Number:	3209132	THE WORLD'S FINEST TACTICAL GEAR
Registration Number:	0654307	THIOKOL
Registration Number:	0678853	THIOKOL
Registration Number:	0754116	TIP-OFF
Registration Number:	1600687	TMJ
Registration Number:	2475437	TNT
Registration Number:	3578533	TNT
Registration Number:	3702170	TNT GREEN
Registration Number:	3471745	TOP GUN
Registration Number:	1645931	TOP GUN
Registration Number:	2018517	TOXIC-METAL FREE
Registration Number:	3513390	TR ONE
Registration Number:	3276995	TRAP TAXI
Registration Number:	3345150	TRILOK
Registration Number:	1962369	TRIM PRO
Registration Number:	0920023	TRIPLE PLUS
Registration Number:	3369232	TRIPLE-SHOCK
Registration Number:	3115116	TRUBALL
Registration Number:	3442272	TRUBALL SYSTEM
Registration Number:	3705844	TRUCOAT
Registration Number:	1812059	UC
Registration Number:	2919888	ULTRA SHOK
Registration Number:	3151844	ULTRA-KLENZ
Registration Number:	3096562	ULTRAMATCH
Registration Number:	1797732	UNI-COR
Registration Number:	0099306	"UNIQUE"
Registration Number:	2983668	URBAN WARRIOR
Registration Number:	3473867	V
Registration Number:	3309513	V
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:	3266079	WARRIOR WEAR
Registration Number:	0757281	WEAVER
Registration Number:	3804208	WEAVER
Registration Number:	3804207	WEAVER
Registration Number:	3804206	WEAVER
Registration Number:	0755453	WEAVER
Registration Number:	2413218	WEAVER CLASSIC
Registration Number:	0754114	WEAVER SCOPE
Registration Number:	2669449	
Registration Number:	3603341	WILD WEB
Registration Number:	3292547	WILDFIRE WARRIOR
Registration Number:	2921576	WING SHOK
Registration Number:	3183826	WW
Registration Number:	3222203	WW
Registration Number:	3249218	WW BLACKHAWK! WARRIORWEAR
Registration Number:	2563180	X DIE
Registration Number:	3066631	XRAY
Registration Number:	3214759	MEGA

**CORRESPONDENCE DATA**

Fax Number: (646)848-4455  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
Phone: 212-848-4455  
Email: jlik@shearman.com  
Correspondent Name: Jordan Altman  
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:	JORDAN ALTMAN
Signature:	/JORDAN ALTMAN/
Date:	11/04/2010

**Total Attachments: 71**

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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 October 7, 2010, 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 Second Amended and Restated Credit Agreement dated as of October 7, 2010 (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 Second Amended and Restated Security Agreement dated October 7, 2010 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.

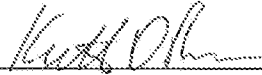
5. Grants, Rights and Remedies. This IP Security Agreement has been entered into in conjunction with the provisions of the Security Agreement. Each Grantor does hereby acknowledge and confirm that the grant of the security interest hereunder to, and the rights and remedies of, the Administrative Agent 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.

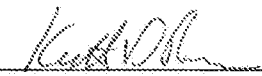
Address for Notices:  
7480 Flying Cloud Drive  
Eden Prairie, MN 55344

ALLIANT TECHSYSTEMS INC.

By:   
Name: Keith D. Ross  
Title: Senior Vice President, General Counsel and Secretary

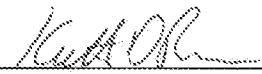
Address for Notices:  
7480 Flying Cloud Drive  
Eden Prairie, MN 55344

AMMUNITION ACCESSORIES INC.

By:   
Name: Keith D. Ross  
Title: Chairman, Vice President and Secretary

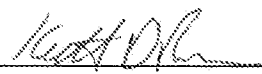
Address for Notices:  
7480 Flying Cloud Drive  
Eden Prairie, MN 55344

ATK COMMERCIAL AMMUNITION  
COMPANY INC.

By:   
Name: Keith D. Ross  
Title: Chairman, Vice President and Secretary

Address for Notices:  
7480 Flying Cloud Drive  
Eden Prairie, MN 55344

ATK COMMERCIAL AMMUNITION  
HOLDINGS COMPANY INC.

By:   
Name: Keith D. Ross  
Title: Chairman, Vice President and Secretary

Address for Notices:  
7480 Flying Cloud Drive  
Eden Prairie, MN 55344

ATK LAUNCH SYSTEMS INC.

By:   
Name: Keith D. Ross  
Title: Chairman, Vice President and Secretary

Address for Notices:  
7480 Flying Cloud Drive  
Eden Prairie, MN 55344

ATK SPACE SYSTEMS INC.

By:   
Name: Keith D. Ross  
Title: Chairman, Vice President and Secretary

Address for Notices:  
7480 Flying Cloud Drive  
Eden Prairie, MN 55344

FEDERAL CARTRIDGE COMPANY

By:   
Name: Keith D. Ross  
Title: Chairman, Vice President and Secretary


Address for Notices:  
7480 Flying Cloud Drive  
Eden Prairie, MN 55344

EAGLE INDUSTRIES UNLIMITED, INC.

By:   
Name: Keith D. Ross  
Title: Chairman, Vice President and Secretary

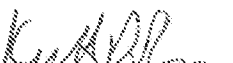
Address for Notices:  
7480 Flying Cloud Drive  
Eden Prairie, MN 55344

EAGLE MAYAGUEZ, LLC

By:   
Name: Keith D. Ross  
Title: Vice President and Secretary

Address for Notices:  
7480 Flying Cloud Drive  
Eden Prairie, MN 55344

EAGLE NEW BEDFORD, INC.

By:   
Name: Keith D. Ross  
Title: Chairman, Vice President and Secretary

Schedule A

PATENTS

**U.S. Issued Patents**

Title	Patent Number	Issue Date	Application Number	Filing Date	Owner
Lightning Device	7802898	28-Sept-2010	11/900157	10-Sept-2007	Blackhawk Industries Product Group Unlimited
Fuze Mounting Assemblies for Penetrator Weapons	7802518	28-Sept-2010	12/434839	04-May-2009	Alliant Techsystems, Inc.
Methods and Apparatuses For Electronic Time Delay and Systems Including Same	7789153	07-Sep-2010	11/876841	23-Oct-2007	Alliant Techsystems Inc.
Dual Fault Safe Arm Device, Adaptive Structures Therewith and Safety and Reliability Features Therefor	7784404	31-Aug-2010	11/933883	01-Nov-2007	Alliant Techsystems Inc.
Recoil System for the Forend of a Firearm	7770318	10-Aug-2010	11/511805	29-Aug-2006	Blackhawk Industries Product Group Unlimited
Suspension System and Chin Strap Assembly for a Helmet	7770239	10-Aug-2010	12/079156	25-Mar-2008	Blackhawk Industries Product Group Unlimited, LLC
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	09-May-2006	Alliant Techsystems Inc.
Apparatus and Methods For Forming Composite Stiffeners and Reinforcing Structures	7767128	03-Aug-2010	12/323403	25-Nov-2008	Alliant Techsystems Inc.
Shotshell With Shot Pellets Having Multiple Shapes	7765933	03-Aug-2010	11/936012	06-Nov-2007	Alliant Techsystems Inc.
Methods For the Production of 1,3,5-Triamino-2,4,6-Trinitrobenzene	7763753	27-Jul-2010	12/484917	15-Jun-2009	Alliant Techsystems Inc.
Methods of Synthesizing Cyclic Nitro Compounds	7745643	29-Jun-2010	12/252278	15-Oct-2008	Alliant Techsystems Inc./RadioRX
Impact Resistant Explosive Compositions	7744710	29-Jun-2010	11/445910	02-Jun-2006	Alliant Techsystems Inc.
Methods For Nitrating Compounds	7737308	15-Jun-2010	12/484960	18-Jun-2009	Alliant Techsystems Inc.
Multi-Dimensional Portable Gas Chromatograph System	7735352	15-Jun-2010	11/435375	16-May-2006	Alliant Techsystems Inc.
Offset Accessory Mount	7735255	15-Jun-2010	11/985659	16-Nov-2007	Blackhawk Industries Product Group Unlimited, LLC
Advanced Muzzle Loader Ammunition	7726245	01-Jun-2010	12/109472	25-Apr-2008	Alliant Techsystems Inc.

Title	Patent Number	Issue Date	Application Number	Filing Date	Owner
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	14-Nov-2006	Alliant Techsystems Inc.
Propulsion Thrust Control System and Method	7716912	18-May-2010	11/366252	02-Mar-2006	Alliant Techsystems Inc.
One Pot Procedure For Poly (Glycidyl Nitrate) End Modification	7714078	11-May-2010	11/553752	27-Oct-2006	Alliant Techsystems Inc.
Heat Transfer System	7708053	04-May-2010	10/694387	28-Oct-2003	Alliant Techsystems Inc.
Folding Gunstock	7698848	20-Apr-2010	11/704023	08-Feb-2007	Blackhawk Industries Product Group Unlimited, LLC
Deployable Truss Having Second Order Augmentation	7694486	13-Apr-2010	10/734726	12-Dec-2003	Alliant Techsystems Inc.
Deployable Structural Assemblies, Systems For Deploying Such Structural Assemblies and Related Methods	7694465	13-Apr-2010	11/400718	07-Apr-2006	Alliant Techsystems Inc.
Methods of Fabricating and Igniting Flares Including Reactive Foil and a Combustible Grain	7690308	06-Apr-2010	12/250081	13-Oct-2008	Alliant Techsystems Inc.
Recoil System	7685755	30-Mar-2010	12/008558	11-Jan-2008	Blackhawk Industries Product Group Unlimited, LLC
Firearm Stock Conversion Method	7673413	09-Mar-2010	11/796592	28-Apr-2007	Blackhawk Industries Product Group Unlimited, LLC
Methods and Apparatuses For Projectile Fuze Setback Generator Power Source and Projectiles Including Same	7669532	02-Mar-2010	11/560991	17-Nov-2006	Alliant Techsystems Inc.
Modular System Rifle Stock	7665240	23-Feb-2010	11/704537	09-Feb-2007	Blackhawk Industries Product Group Unlimited, LLC
Evaporator For Use in a Heat Transfer System	7661464	16-Feb-2010	11/275105	09-Dec-2005	Alliant Techsystems Inc.
Polyoxymethylene as Structural Support Member and Propellant	7647763	19-Jan-2010	11/086789	22-Mar-2005	ATK/Physical Sciences Inc.
Very Small High Pressure Regulator	7635005	22-Dec-2009	11/435366	16-May-2006	Alliant Techsystems Inc.
Reduced Energy Training Cartridge For Self-Loading Firearms	7621208	24-Nov-2009	11/616843	27-Dec-2006	Federal Cartridge Company
Weapons and Weapon Components Incorporating Reactive Materials and Related Methods	7614348	10-Nov-2009	11/512058	29-Aug-2006	Alliant Techsystems Inc.
Methods and Devices for Measuring Volume Resistivity	7609073	27-Oct-2009	11/438084	19-May-2006	Alliant Techsystems Inc.

Title	Patent Number	Issue Date	Application Number	Filing Date	Owner
Slug Ball Ammunition	7607393	27-Oct-2009	10/915210	10-Aug-2004	Alliant Techsystems Inc.
Reactive Material Enhanced Projectiles and Related Methods	7603951	20-Oct-2009	11/079925	14-Mar-2005	Alliant Techsystems Inc.
RF Receiving and Transmitting Apparatuses Having a Microstrip-Slot Log-Periodic Antenna	7583233	01-Sep-2009	11/861477	26-Sep-2007	Alliant Techsystems Inc.
Relaxation Modulus Sensor, Structure Incorporating Same, and Method For Use of Same	7581450	01-Sep-2009	11/555029	31-Oct-2006	Alliant Techsystems Inc.
Roll Orientation Using Turns-Counting Fuze	7566027	28-Jul-2009	11/342736	30-Jan-2006	Alliant Techsystems Inc.
Accelerometer Mounting For a Penetrator and Method Thereof	7552682	30-Jun-2009	11/613497	20-Dec-2006	Alliant Techsystems Inc.
Thermal Management System	7549461	23-Jun-2009	10/890382	14-Jul-2004	Alliant Techsystems Inc.
Fuze Mounting For a Penetrator and Method Thereof	7549374	23-Jun-2009	11/613441	20-Dec-2006	Alliant Techsystems Inc.
Method and System For Wide-Area Ultraviolet Detection of Forensic Evidence	7545969	09-Jun-2009	11/014524	16-Dec-2004	Alliant Techsystems Inc.
Gas Chromatograph Column Assembly	7524363	28-Apr-2009	11/435382	16-May-2006	Alliant Techsystems Inc.
Apparatus and Methods For Forming Composite Stiffeners and Reinforcing Structures	7513769	07-Apr-2009	10/903871	30-Jul-2004	Alliant Techsystems Inc.
Cyclic Nitro Compounds, Pharmaceutical Compositions Thereof and Uses Thereof	7507842	24-Mar-2009	11/502810	11-Aug-2006	Alliant Techsystems Inc./RadioRX
Compact Thermal Conductivity Detector	7485176	03-Feb-2009	11/435298	16-May-2006	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	28-Sep-2006	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	06-Feb-2006	Alliant Techsystems Inc.
Low Cost, Low-Density, Ablative Rubber Insulation For Rocket Motors	7461503	09-Dec-2008	10/608830	26-Jun-2003	Alliant Techsystems Inc.
Moisture-Resistant Black Powder Substitute Compositions	7459043	02-Dec-2008	10/631545	31-Jul-2003	Alliant Techsystems Inc.
Hooded Holster	7434712	14-Oct-2008	10/888047	09-Jul-2004	Blackhawk Industries Product Group Unlimited, LLC
Quick Release System For Armor Plates in a Ballistic Resistant Vest and Method	7424748	16-Sep-2008	11/422364	06-Jun-2006	Eagle Industries Unlimited, Inc.



Title	Patent Number	Issue Date	Application Number	Filing Date	Owner
Apparatus and Method for Induction Lamination of Electrically Conductive Fiber Reinforced Composite Materials	7419373	02-Sep-2008	11/109491	19-Apr-2005	Army Research Laboratory
Thermoformed Frequency Selective Surface	7414593	19-Aug-2008	11/362442	24-Feb-2006	Alliant Techsystems Inc.
Method of Insulating a Case of a Solid Propellant Rocket Motor	7410607	12-Aug-2008	10/938446	10-Sep-2004	Alliant Techsystems Inc.
Light Sensor Module, Focused Light Sensor Array, and an Air Vehicle So Equipped	7397019	08-Jul-2008	11/163446	19-Oct-2005	Alliant Techsystems Inc.
Non-Contact Deviation Measurement System	7383152	03-Jun-2008	11/329215	10-Jan-2006	Alliant Techsystems Inc.
Magnetometer Transducer Sampling Front End Amplifier and Processor	7372259	13-May-2008	11/758825	06-Jun-2007	Alliant Techsystems Inc.
Novel EPDM Rocket Motor Insulation	7371784	13-May-2008	10/931778	31-Aug-2004	Alliant Techsystems Inc.
Second Environment Sensing in Smart Bombs	7370584	13-May-2008	10/858809	02-Jun-2004	Alliant Techsystems Inc.
Polybenzoxazole-Filled Nitrile Butadiene Rubber Compositions	7358314	15-Apr-2008	11/207855	18-Aug-2005	Alliant Techsystems Inc.
Recoil System For the Forend of a Firearm	7340857	11-Mar-2008	11/132872	19-May-2005	Blackhawk Industries Product Group Unlimited, LLC
Capacitive Drive Antenna and an Air Vehicle So Equipped	7339537	04-Mar-2008	11/163271	12-Oct-2005	Alliant Techsystems Inc.
Method and Apparatus For Suppression of Fires	7337856	04-Mar-2008	10/727093	02-Dec-2003	Alliant Techsystems Inc.
Fuze With Electronic Sterilization	7334523	26-Feb-2008	10/929931	30-Aug-2004	Alliant Techsystems Inc.
Fuze Explosive Ordnance Disposal (EOD) Circuit	7331290	19-Feb-2008	11/284511	22-Nov-2005	Alliant Techsystems Inc.
Holster Holder Device	7320420	22-Jan-2008	10/777859	12-Feb-2004	Blackhawk Industries Product Group Unlimited, LLC
Apparatus and Method For Reinforcing A Pressure Vessel	7316327	08-Jan-2008	10/731774	08-Dec-2003	Alliant Techsystems Inc.
Method For Delayed Detonation of a Penetrating Weapon and Related Apparatus and Systems	7314004	01-Jan-2008	11/148955	09-Jun-2005	Alliant Techsystems Inc.
Disposable Pouch Hydration System	7311231	25-Dec-2007	10/821574	09-Apr-2004	Blackhawk Industries, Inc.
High Strength Reactive Materials and Methods of Making	7307117	11-Dec-2007	10/462437	16-Jun-2003	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	29-Jun-2005	Alliant Techsystems Inc.

Title	Patent Number	Issue Date	Application Number	Filing Date	Owner
Solar Cell Array	7301095	27-Nov-2007	11/249143	11-Oct-2005	Alliant Techsystems Inc.
Microstrip Log-Periodic Antenna Array Having Grounded Semi-Coplanar Waveguide-To-Microstrip Line Transition	7292197	06-Nov-2007	11/163119	05-Oct-2005	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(3,1 1)]-Dodecane	7288648	30-Oct-2007	10/636373	06-Aug-2003	Alliant Techsystems Inc.
Lighting Device Having a Multi-Position Switch Assembly	7281815	16-Oct-2007	11/254159	19-Oct-2005	Blackhawk Industries Product Group Unlimited, LLC
Steerable, Intermittently Operable Rocket Propulsion System	7281367	16-Oct-2007	10/728733	05-Dec-2003	Alliant Techsystems Inc.
Non-Lethal Marking Bullet For Related Training Cartridges	7278358	09-Oct-2007	10/846883	14-May-2004	Federal Cartridge Company
Ordnance System With Common Bus, Method of Operation and Aerospace Vehicle Including Same	7261028	28-Aug-2007	10/744930	22-Dec-2003	Alliant Techsystems Inc.
Manufacture of a Heat Transfer System	7251889	07-Aug-2007	10/974968	28-Oct-2004	Alliant Techsystems Inc.
Apparatus For Forming Composite Stiffeners and Reinforcing Structures	7249943	31-Jul-2007	10/633025	01-Aug-2003	Alliant Techsystems Inc.
Digital Method and Apparatus For Sensing Position With a Linear Variable Differential Transformer	7248994	24-Jul-2007	11/341738	27-Jan-2006	Alliant Techsystems Inc.
Cut Away Vest	7243376	17-Jul-2007	11/278905	06-Apr-2006	Eagle Industries Unlimited, Inc.
Method and Apparatus For Detecting and Determining Event Characteristics With Reduced Data Collection	7240564	10-Jul-2007	10/208518	30-Jul-2002	Alliant Techsystems Inc.
Method For the Production of Alpha-Alane	7238336	03-Jul-2007	11/329201	09-Jan-2006	Alliant Techsystems Inc.
Reduced Energy Training Cartridge For Self-Loading Firearms	7225741	05-Jun-2007	10/799898	12-Mar-2004	Federal Cartridge Company
Structures Including Synchronously Deployable Frame Members and Methods of Deploying the Same	7211722	01-May-2007	10/117314	05-Apr-2002	Alliant Techsystems Inc.
Digital Method and Apparatus For Resolving Shaft Position	7205916	17-Apr-2007	11/341706	27-Jan-2006	Alliant Techsystems Inc.
Method of Applying Ablative Insulation Coatings and Articles Obtained Therefrom	7198231	03-Apr-2007	11/091661	28-Mar-2005	Alliant Techsystems Inc.
Method For Detection of Media Layer By a Penetrating Weapon and Related Apparatus and Systems	7197982	03-Apr-2007	11/147980	08-Jun-2005	Alliant Techsystems Inc.

Title	Patent Number	Issue Date	Application Number	Filing Date	Owner
Pulse Sorting Apparatus For Frequency Histogramming in a Radar Receiver System	7184493	27-Feb-2007	10/270864	15-Oct-2002	Alliant Techsystems Inc.
High Temperature Isostatic Pressure Bonding of Hollow Beryllium Pressure Vessels Using a Bonding Flange	7163121	16-Jan-2007	09/434507	05-Nov-1999	Alliant Techsystems Inc.
Wide Field Collimator	7159986	09-Jan-2007	10/441915	20-May-2003	Alliant Techsystems Inc.
System and Method For Optical Communication	7149434	12-Dec-2006	10/107528	25-Mar-2002	Alliant Techsystems Inc.
Polycyclic, Polyamides As Precursors For Energetic Polycyclic Polynitramine Oxidizers	7129348	31-Oct-2006	07/292028	21-Dec-1988	Alliant Techsystems Inc.
System For Performing Coupled Finite Analysis	7127380	24-Oct-2006	10/005752	07-Nov-2001	Alliant Techsystems Inc.
Method and Apparatus For Autonomous Detonation Delay in Munitions	7124689	24-Oct-2006	10/994754	22-Nov-2004	Alliant Techsystems Inc.
Synthesis of Energetic Thermoplastic Elastomers Containing Both Polyoxirane and Polyoxetane Blocks	7101955	05-Sep-2006	09/436360	09-Nov-1999	Alliant Techsystems Inc.
Method For Recovery Of Nitramines From Aluminized Energetic Materials	7101449	05-Sep-2006	10/646419	22-Aug-2003	Alliant Techsystems Inc.
Radio Frequency Component and Method For Making Same	7095379	22-Aug-2006	10/164990	06-Jun-2002	Composite Optics, Incorporated and NASA
Method And Apparatus For Creating A Simulated Particle Pack	7085689	01-Aug-2006	09/805606	12-Mar-2001	Alliant Techsystems Inc.
Honeycomb Core Composite Article and Method and Apparatus For Making Same	7083753	01-Aug-2006	10/737687	16-Dec-2003	Composite Optics, Incorporated
Digital Signal Gating Apparatus and Method in a Pulse Receiver System	7082172	25-Jul-2006	10/268170	09-Oct-2002	Alliant Techsystems Inc.
Radar-Filtered Projectile	7079070	18-Jul-2006	10/215475	15-Apr-2002	Alliant Techsystems Inc.
Multi-Layered Momentum Trap Ballistic Armor	7077048	18-Jul-2006	10/805955	22-Mar-2004	ATK/SWRI/IRA
Fiber-Reinforced Rocket Motor Insulation	7070705	04-Jul-2006	10/772877	05-Feb-2004	Alliant Techsystems Inc.
Reduced Sensitivity, Melt-Pourable TNT Replacements	7067024	27-Jun-2006	09/893337	27-Jun-2001	Alliant Techsystems Inc.
Projectile Structure	7051659	30-May-2006	10/164718	10-Jun-2002	Alliant Techsystems Inc.
Multiple Pulse Cartridge Ignition System	7047885	23-May-2006	09/503524	14-Feb-2000	Alliant/ARDEC
Cut Away Vest	7047570	23-May-2006	10/604283	08-Jul-2003	Eagle Industries Unlimited, Inc.

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Method and Apparatus For Testing Surface Characteristics of a Material	7040143	09-May-2006	10/651311	28-Aug-2003	Alliant Techsystems Inc.
Cut Away Vest	7020897	04-Apr-2006	10/708313	24-Feb-2004	Eagle Industries Unlimited, Inc.
Elastomeric Rocket Motor Insulation	7012107	14-Mar-2006	10/463751	17-Jun-2003	Alliant Techsystems Inc.
Propellant Formulation	7011722	14-Mar-2006	10/383656	10-Mar-2003	Alliant Techsystems Inc.
Heat Transport System	7004240	28-Feb-2006	10/602022	24-Jun-2003	Alliant Techsystems Inc.
Magnetically Sensed Second Environment Safety and Arming Device	7004072	28-Feb-2006	09/538785	30-Mar-2000	Alliant Techsystems Inc.
Method For The Synthesis Of Energetic Thermoplastic Elastomers In Non-Halogenated Solvents	6997997	14-Feb-2006	09/831411	07-May-2001	Alliant Techsystems Inc.
Manual Container Lifter	6997492	14-Feb-2006	10/850260	20-May-2004	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	02-May-2003	Alliant Techsystems Inc.
Electronic Switching System For a Detonation Device	6992877	31-Jan-2006	10/386578	12-Mar-2003	Alliant Techsystems Inc.
Crystallization of 2,4,6,8,10,12-Hexanitro-2,4,6,8,10,12-Hexaazatetracyclo[5.5.0.05.903.11]-Dodecane	6992185	31-Jan-2006	10/042522	09-Jan-2002	Alliant Techsystems Inc.
Method For the Production of Alpha-Alane	6984746	10-Jan-2006	10/947078	22-Sep-2004	Alliant Techsystems Inc.
Fixed Canard 2-D Guidance of Artillery Projectiles	6981672	03-Jan-2006	10/664223	17-Sep-2003	Alliant Techsystems Inc.
Method of Forming Laminar Structures Having Variable Angle Tape Wrap	6972064	06-Dec-2005	10/279281	23-Oct-2002	Alliant Techsystems Inc.
Metal Complexes For Use as Gas Generants	6969435	29-Nov-2005	09/025345	18-Feb-1998	Alliant Techsystems Inc.
Rocket Motors With Insensitive Munitions Systems and Projectiles Including Same	6966264	22-Nov-2005	10/645706	21-Aug-2003	Alliant Techsystems Inc.
Fuze Explosive Ordnance Disposal Circuit	6966261	22-Nov-2005	10/441665	20-May-2003	Alliant Techsystems Inc.
Reduced Sensitivity, Melt-Pourable Tritonal Replacements	6964714	15-Nov-2005	09/893336	27-Jun-2001	Alliant/ARDEC
Low Temperature, Extrudable, High Density Reactive Materials	6962634	08-Nov-2005	10/386617	12-Mar-2003	Alliant Techsystems Inc.
Incremental Pressurization Fluctuation Counter and Methods Therefor	6959605	01-Nov-2005	10/377273	27-Feb-2003	Alliant Techsystems Inc.

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Strain Control Device For Attaching Transmission Lines to Deformable Structures and Methods Employing Same	6959491	01-Nov-2005	10/871149	18-Jun-2004	Alliant Techsystems Inc.
Smooth Bore Second Environment Sensing	6951161	04-Oct-2005	10/737032	15-Dec-2003	Alliant Techsystems Inc.
Method and Apparatus For Measuring Bending in a Pin Member	6951137	04-Oct-2005	09/897003	02-Jul-2001	Alliant Techsystems Inc.
System and Method For Integrating Antennas into a Vehicle Rear-Deck Spoiler	6927736	09-Aug-2005	10/440449	16-May-2003	Alliant Techsystems Inc.
Integration of a Semi-Active Laser Seeker into the DSU-33 Proximity Sensor	6919840	19-Jul-2005	10/301522	21-Nov-2002	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	14-Mar-2003	Alliant Techsystems Inc.
Goggle Shield	6907617	21-Jun-2005	10/248595	30-Jan-2003	Eagle Industries Unlimited, Inc.
Electromagnetic-Field Polarization Twister	6906685	14-Jun-2005	10/348044	17-Jan-2003	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	28-Jan-2004	Alliant Techsystems Inc.
Method of Applying Ablative Insulation Coatings	6896834	24-May-2005	09/950094	10-Sep-2001	Alliant Techsystems Inc.
Method of Insulating a Case of a Solid Propellant Rocket Motor	6893597	17-May-2005	09/747192	21-Dec-2000	Alliant Techsystems Inc.
Phase Control in the Capillary Evaporators	6889754	10-May-2005	09/896561	29-Jun-2001	Alliant Techsystems Inc.
Process For The Synthesis and Recovery of Nitramines	6881847	19-Apr-2005	10/455092	05-Jun-2003	Alliant Techsystems Inc.
Apparatus and Method for Induction Lamination of Electrically Conductive Fiber Reinforced Composite Materials	6881374	19-Apr-2005	10/253032	24-Sep-2002	Army Research Laboratory
Low-Sensitivity Explosive Compositions And Method For Making Explosive Compositions	6881283	19-Apr-2005	10/210863	31-Jul-2002	Alliant/ARDEC
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	10-Jan-2003	Alliant Techsystems Inc.
Quick Release Detachable Buckle	6851160	08-Feb-2005	10/248617	31-Jan-2003	Eagle Industries Unlimited, Inc.

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Reduced Energy Binder For Energetic Compositions	6835255	28-Dec-2004	09/088163	01-Jun-1998	Alliant Techsystems Inc.
Synthesis of Energetic Thermoplastic Elastomers Containing Oligomeric Urethane Linkages	6815522	09-Nov-2004	09/436440	09-Nov-1999	Alliant Techsystems Inc.
Bullet For Optimal Penetration and Expansion	6805057	19-Oct-2004	10/007604	07-Nov-2001	Federal Cartridge Company
Shared Memory Interface With Conventional Access and Synchronization Support	6795901	21-Sep-2004	09/466303	17-Dec-1999	Alliant Techsystems Inc.
Remotely Actuated Localized Pressure and Heat Apparatus and Method of Use	6793479	21-Sep-2004	09/062046	17-Apr-1998	Alliant Techsystems Inc.
EPDM Rocket Motor Insulation	6787586	07-Sep-2004	10/310005	03-Dec-2002	Alliant Techsystems Inc.
Obturator For Large Caliber Smooth Bore Ammunition	6782830	31-Aug-2004	10/660417	11-Sep-2003	Alliant Techsystems Inc.
Burning Nitrous Oxide and a Fuel	6779335	24-Aug-2004	10/004831	07-Dec-2001	Alliant Techsystems Inc.
System and Method For Measuring Stress at an Interface	6776049	17-Aug-2004	10/016479	07-Dec-2001	Alliant Techsystems Inc.
Ammunition Reloading Apparatus With Feed Mechanism	6772668	10-Aug-2004	10/214977	07-Aug-2002	Alliant Techsystems Inc.
Strain Control Device For Attaching Transmission Lines to Deformable Structures and Methods Employing Same	6770821	03-Aug-2004	10/056943	25-Oct-2001	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	29-Nov-2001	Alliant Techsystems Inc.
Cure-on-the-Fly System	6752190	22-Jun-2004	08/122344	15-Sep-1993	Alliant Techsystems Inc.
High Strength Rubber Formulations, and Shear Ply Made From the Same	6750293	15-Jun-2004	10/107594	27-Mar-2002	Alliant Techsystems Inc.
Guided Munitions Electronics Package and Method	6744637	01-Jun-2004	10/307127	27-Nov-2002	Alliant Techsystems Inc.
Method for Processing Explosives Containing 2,4,6,8,10,12-Hexanitro-2,4,6,8,10,12-Hexaazatetracyclo[5.5.0.0.05,903,11]-Dodecane (CL-20) with Naphthenic and Paraffinic Oils	6736913	18-May-2004	10/000244	18-Oct-2001	Alliant Techsystems Inc.
Soft Point Bullet	6732657	11-May-2004	10/421049	23-Apr-2003	Alliant Techsystems Inc.

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Recoil System For the Receiver of a Firearm	6732466	11-May-2004	10/223818	19-Aug-2002	Blackhawk Industries Product Group Unlimited, LLC
Process For Making Stable Cured Poly(Glycidyl Nitrate)	6730181	04-May-2004	10/055716	22-Jan-2002	Alliant Techsystems Inc.
Hydration Pouch With Detachable Hose	6722533	20-Apr-2004	10/085626	26-Feb-2002	Blackhawk Industries, Inc.
Apparatus and Method For Reinforcing A Pressure Vessel	6719165	13-Apr-2004	09/938327	22-Aug-2001	Alliant Techsystems Inc.
Ordnance Control and Initiation System and Related Method	6718881	13-Apr-2004	09/949031	07-Sep-2001	Alliant Techsystems Inc.
Momentum Trap Ballistic Armor System	6718861	13-Apr-2004	09/887298	22-Jun-2001	ATK/SWRI/IRA
Electrostatically Clean Solar Array	6713670	30-Mar-2004	10/219849	14-Aug-2002	Composite Optics, Incorporated
Rocket Motor Nozzle Assemblies Having Vacuum Plasma-Sprayed Refractory Metal Shell Throat Inserts, Methods of Making, and Rocket Motors Including Same	6711901	30-Mar-2004	09/765781	19-Jan-2001	Alliant Techsystems Inc.
Pressure-Actuated Joint System	6711890	30-Mar-2004	10/132950	26-Apr-2002	Alliant Techsystems Inc.
Fiber-Reinforced Rocket Motor Insulation	6691505	17-Feb-2004	10/046132	09-Jan-2002	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	04-Jun-1998	Alliant Techsystems Inc.
Specialized Military and Police Combination Tool	6671913	06-Jan-2004	09/798265	02-Mar-2001	Blackhawk Industries Product Group Unlimited, LLC
Rocket Nozzel Assembly Having Rotatable Variable Thrust Control Cylinders, and Rocket Assembly Comprising The Same	6651438	25-Nov-2003	09/941397	29-Aug-2001	Alliant Techsystems Inc.
Reduced Sensitivity Melt-Cast Explosives	6648998	18-Nov-2003	09/747303	21-Dec-2000	Alliant/ARDEC
Nitrate-Ester Plasticized Energetic Compositions, Method of Making and Rocket Motor Assemblies Containing the Same	6632378	14-Oct-2003	09/797929	02-Mar-2001	Alliant Techsystems Inc.
Antigen Detection Device and Method	6620626	16-Sep-2003	09/636772	09-Aug-2000	Alliant Techsystems Inc.
Rocket Motors With Insensitive Munitions Systems	6619029	16-Sep-2003	10/016697	01-Nov-2001	Alliant Techsystems Inc.
Prilling Energetic Particles, and Process for Making the Same	6610157	26-Aug-2003	09/759594	12-Jan-2001	Alliant Techsystems Inc.

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Method For Recovery Of Nitramines From Aluminized Energetic Materials	6610156	26-Aug-2003	09/784476	15-Feb-2001	Alliant Techsystems Inc.
Transpiration Cooling of Rocket Engines	6606851	19-Aug-2003	09/946630	06-Sep-2001	Alliant Techsystems Inc.
Process For The Synthesis and Recovery of Nitramines	6603018	05-Aug-2003	10/060051	01-Feb-2002	Alliant Techsystems Inc.
Chain-Extended Poly(Bis-Azidomethyloxetane), and Combustible Cartridge Cases and Ammunition Comprising the Same	6600002	29-Jul-2003	09/841900	24-Apr-2001	Alliant Techsystems Inc.
High Strength Reactive Materials	6593410	15-Jul-2003	09/789479	21-Feb-2001	Alliant Techsystems Inc.
Method of Manufacturing a Soft Point Bullet	6581503	24-Jun-2003	10/098647	13-Mar-2002	Alliant Techsystems Inc.
EPDM Rocket Motor Insulation	6566420	20-May-2003	09/481709	12-Jan-2000	Alliant Techsystems Inc.
Evaporator Employing a Liquid Superheat Tolerant Wick	6564860	20-May-2003	09/933589	21-Aug-2001	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	17-Jul-2000	Alliant Techsystems Inc.
Method of Constructing Insulated Metal Dome Structure For a Rocket Motor	6554936	29-Apr-2003	09/391979	08-Sep-1999	Alliant Techsystems Inc.
Overwrap Tape End-Effector For Fiber Placement/Winding Machines	6544367	08-Apr-2003	09/241830	01-Feb-1999	Alliant Techsystems Inc.
Non-Toxic, Heavy-Metal-Free Shotshell Primer Mix	6544363	08-Apr-2003	09/702120	30-Oct-2000	Federal Cartridge Company
Degradable Practice Mine	6539871	01-Apr-2003	09/821219	29-Mar-2001	Alliant Techsystems Inc.
Captive Soft-Point Bullet	6530328	11-Mar-2003	09/948198	07-Sep-2001	Federal Cartridge Company
Apparatus and Method For Producing a Spectrally Variable Radiation Source and Systems Including Same	6525814	25-Feb-2003	09/425595	22-Oct-1999	Alliant Techsystems Inc.
Synthesis For 4,10-dinitro-2,6,8,12-tetraoxa,4,10-diazatetracyclo[5.5.0.05,903,11]-Dodecane	6512113	28-Jan-2003	09/589113	08-Jun-2000	Alliant Techsystems Inc.
Spring Disc for Securing a Combustible Cartridge Case to a Case Base	6505560	14-Jan-2003	09/923852	07-Aug-2001	Alliant Techsystems Inc.
Pyrolytic Graphite Gauge for Measuring Heat Flux	6499289	31-Dec-2002	09/820403	29-Mar-2001	Alliant Techsystems Inc.
Rubber-Epoxy Bonding Via an Interfacial Layer Containing Acrylates	6495259	17-Dec-2002	09/433321	03-Nov-1999	Alliant Techsystems Inc.



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Position-Controlled Tensioner System	6491773	10-Dec-2002	09/490357	24-Jan-2000	Alliant Techsystems, Inc.
Assembly and Process for Controlled Burning of Landmine Without Detonation	6484617	26-Nov-2002	09/562971	03-May-2000	Alliant Techsystems Inc.
Metal Hydrazine Complexes For Use as Gas Generants	6481746	19-Nov-2002	08/746224	07-Nov-1996	Alliant Techsystems Inc.
Reuseable Training Dispenser	6481327	19-Nov-2002	09/592481	09-Jun-2000	Alliant Techsystems Inc.
Multi-Stage Rocket Motor Assembly Including Jettisonable Launch Motor Integrated With Flight Igniter	6481198	19-Nov-2002	09/604679	27-Jun-2000	Alliant Techsystems Inc.
Method of Manufacturing a Composite Structure Using a Conformable Locating Aperture System	6478922	12-Nov-2002	09/594920	15-Jun-2000	Alliant Techsystems Inc.
Antenna Data Compression Using Multi-Dipole Antenna	6437737	20-Aug-2002	09/491367	26-Jan-2000	Alliant Techsystems Inc.
Extrudable Black Body Decoy Flare Compositions	6432231	13-Aug-2002	09/735643	14-Dec-2000	Alliant Techsystems Inc.
Method for Recovery of Nitramines From Aluminized Energetic Materials	6416601	09-Jul-2002	09/784475	15-Feb-2001	Alliant Techsystems Inc.
Extraction and Recovery of Nitramines From Propellants, Explosives, and Pyrotechnics	6414143	02-Jul-2002	09/505872	17-Feb-2000	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	26-Apr-2000	Alliant Techsystems Inc.
Antenna Array Apparatus With Conformal Mounting Structure	6407711	18-Jun-2002	09/841829	24-Apr-2001	Science and Applied Technology, Inc. & COI
Anti-Distortion Insert For Mounting Optical Elements on a Honeycomb Panel	6394722	28-May-2002	09/427390	26-Oct-1999	Alliant Techsystems Inc.
Hybrid Rocket Propulsion System Including Array of Hybrid or Fluid Attitude-Control Rocket Engines	6393830	28-May-2002	09/532301	22-Mar-2000	Alliant Techsystems Inc.
Process For Making 2,4,6,8,10,12,-Hexanitro-2,4,6,8,10,12-Hexaazatetracyclo(5.5.0.05,903,11) – Dodecane	6391130	21-May-2002	09/503726	15-Feb-2000	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	16-May-2000	Alliant Techsystems Inc.
Portable Propellant Cutting Assembly, and Method of Cutting Propellant With Assembly	6378436	30-Apr-2002	09/506597	18-Feb-2000	Alliant Techsystems Inc.

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Polymerization of Poly(Glycidyl Nitrate) From High Purity Glycidyl Nitrate Synthesized From Glycerol	6362311	26-Mar-2002	09/688819	17-Oct-2000	Alliant Techsystems Inc.
Alignment Fixture	6360666	26-Mar-2002	09/587962	06-Jun-2000	Alliant Techsystems Inc.
Improved Propulsion System	6357357	19-Mar-2002	09/227070	05-Jan-1999	Alliant Techsystems Inc.
Gas Generating Eject Motor	6352030	05-Mar-2002	09/436357	09-Nov-1999	Alliant Techsystems Inc.
Ammunition Detector	6343564	05-Feb-2002	09/360756	26-Jul-1999	Alliant Techsystems Inc.
Solvent Application System	6343552	05-Feb-2002	09/587773	06-Jun-2000	Alliant Techsystems Inc.
High Range Resolution Radar Through Non-Uniform Sampling	6317074	13-Nov-2001	09/594894	15-Jun-2000	Alliant Techsystems Inc.
Thrusting Apparatus	6315238	13-Nov-2001	07/212468	28-Jun-1988	Alliant Techsystems Inc.
Vacuum Debulking Table For Thermoplastic Materials	6312247	06-Nov-2001	09/240164	29-Jan-1999	Alliant Techsystems Inc.
Anti-Friction Release Device	6311930	06-Nov-2001	09/459799	13-Dec-1999	Alliant Techsystems Inc.
Captive Soft-Point Bullet	6305292	23-Oct-2001	09/597017	20-Jun-2000	Federal Cartridge Company
Method and Apparatus For Producing Fiber Reinforced Structures	6290799	18-Sep-2001	09/399691	21-Sep-1999	Alliant Techsystems Inc.
Range Rate Aiding in a Pulsed Radar System	6281833	28-Aug-2001	09/437828	10-Nov-1999	Alliant Techsystems Inc.
Moisture Seal For Composite Sabot With Depleted Uranium Penetrator	6279214	28-Aug-2001	09/353695	14-Jul-1999	Alliant Techsystems Inc.
Cryogenic Thermal Switch Employing Materials Having Differing Coefficients of Thermal Expansion	6276144	21-Aug-2001	09/383897	26-Aug-1999	Alliant Techsystems Inc.
Plastic Liner For Bayonet Primers	6272994	14-Aug-2001	09/386810	31-Aug-1999	Alliant Techsystems Inc.
Apparatus For Machining Explosive Materials	6272954	14-Aug-2001	09/440883	16-Nov-1999	Alliant Techsystems Inc.
High Temperature Isostatic Pressure Bonding of Beryllium Pressure Vessels With an Interior Void	6264095	24-Jul-2001	09/350349	14-Jul-1999	Alliant Techsystems Inc.
Increased Velocity-Performance-Range Bullet	6244187	12-Jun-2001	09/346182	01-Jul-1999	Federal Cartridge Company
High Energy Gun Propellants	6241833	05-Jun-2001	09/116744	16-Jul-1998	Alliant Techsystems Inc.
Compression Mold	6241506	05-Jun-2001	09/162931	29-Sep-1998	Alliant Techsystems Inc.
Metal Complexes For Use as Gas Generants	6241281	05-Jun-2001	09/434274	05-Nov-1999	Alliant Techsystems Inc.

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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	19-Aug-1999	Alliant Techsystems Inc.
Lightweight, Fighting Position Excavation System	6233851	22-May-2001	08/799258	13-Feb-1997	Alliant Techsystems Inc.
Supplemental-Restraint-System Gas Generating Device With Water-Soluble Polymeric Binder	6224099	01-May-2001	09/119517	21-Jul-1998	Alliant Techsystems Inc.
Payload Fairing With Improved Acoustic Suppression	6224020	01-May-2001	09/220495	24-Dec-1998	Alliant Techsystems Inc.
Joint For Connecting Extrudable Segments	6220779	24-Apr-2001	09/263212	05-Mar-1999	Alliant Techsystems Inc.
Performance Optimizing System For a Satellite Solar Array	6218605	17-Apr-2001	08/841526	23-Apr-1997	Alliant Techsystems Inc.
Biplateau Reduced Smoke Propellant	6217682	17-Apr-2001	09/178608	26-Oct-1998	Alliant Techsystems Inc.
High Performance Explosive Containing CL-20	6214137	10-Apr-2001	09/166842	06-Oct-1998	Alliant Techsystems Inc.
Rocket Motor Throat Assembly With Zero Or Very Low Erosion Flow Surfaces	6209312	03-Apr-2001	09/288330	08-Apr-1999	Alliant Techsystems Inc.
Electrostatic Arming Apparatus For an Explosive Projectile	6196130	06-Mar-2001	09/158048	22-Sep-1998	Alliant Techsystems Inc.
AOA Estimation and Polarization Induced Phase Correction Using a Conformal Array of Titled Antenna Elements	6195043	27-Feb-2001	09/311139	13-May-1999	Alliant Techsystems Inc.
Mechanical Actuator Assembly	6192684	27-Feb-2001	09/271549	18-Mar-1999	Alliant Techsystems Inc.
Traveling Wave Slot Antenna and Method of Making Same	6191750	20-Feb-2001	09/262163	03-Mar-1999	Composite Optics, Incorporated
Castable Infrared Illuminant Compositions	6190475	20-Feb-2001	09/478511	06-Jan-2000	Alliant Techsystems Inc.
Sabot Anti-Splitting Ring	6186094	13-Feb-2001	09/140512	26-Aug-1998	Alliant Techsystems Inc.
Captive Soft-Point Bullet	6178890	30-Jan-2001	09/256861	24-Feb-1999	Federal Cartridge Company
Solar Cell Array With Multiple Rows of Cells and Collapsible Reflectors	6177627	23-Jan-2001	09/337624	21-Jun-1999	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	29-Apr-1999	Alliant Techsystems Inc.
Process for the Manufacture of High Performance Gun Propellants.	6171530	09-Jan-2001	09/028772	24-Feb-1998	Alliant Techsystems Inc.

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Flares Having Igniters Formed From Extrudable Igniter Compositions	6170399	09-Jan-2001	09/119518	21-Jul-1998	Alliant Techsystems Inc.
Thermal Welding of Fiber Reinforced Thermoplastic Prepreg	6162314	19-Dec-2000	09/162680	29-Sep-1998	Alliant Techsystems Inc.
Tooling Apparatus and Method For Producing Grid Stiffened Fiber Reinforced Structures	6149851	21-Nov-2000	09/070420	30-Apr-1998	Alliant Techsystems Inc.
Missile Severance Device	6148729	21-Nov-2000	09/067854	27-Apr-1998	Alliant Techsystems Inc.
Ambiguity Removal and Angles-of-Arrival Estimation For Radially Polarized Conformal Arrays	6140963	31-Oct-2000	09/287256	07-Apr-1999	Alliant Techsystems Inc.
Thermally-Stabilized Prilled Ammonium Dinitramide Particles, and Process For Making the Same	6136115	24-Oct-2000	09/108383	01-Jul-1998	Alliant Techsystems Inc.
Temporally Redundant Latch For Preventing Single Event Disruptions in Sequential Integrated Circuits	6127864	03-Oct-2000	09/136872	19-Aug-1998	Alliant Techsystems Inc.
Simplified Tailored Composite Architecture	6125764	03-Oct-2000	09/160952	25-Sep-1998	Alliant Techsystems Inc.
Apparatus For Beam Splitting, Combining Wavelength Division Multiplexing and Demultiplexing	6125228	26-Sep-2000	09/035236	04-Mar-1998	Alliant Techsystems Inc.
Castable Infrared Illuminant Compositions	6123789	26-Sep-2000	08/386328	10-Feb-1995	Alliant Techsystems Inc.
Low Shock Anti-Friction Release Device	6119984	19-Sep-2000	09/356200	16-Jul-1999	Alliant Techsystems Inc.
Method and Apparatus For Improved Solar Concentration Arrays	6118067	12-Sep-2000	09/196806	20-Nov-1998	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	28-Jul-1999	Alliant Techsystems Inc.
Multiple Axes Fiber Placement Machine	6096164	01-Aug-2000	09/135068	17-Aug-1998	Alliant Techsystems Inc.
Composite Conformable Pressure Vessel	6095367	01-Aug-2000	08/718611	23-Sep-1996	Alliant Techsystems Inc.
Gun-Launched Rocket	6094906	01-Aug-2000	09/301157	28-Apr-1999	Alliant Techsystems Inc.
Radome Nose Cone Probe Apparatus For Use With Electrostatic Sensor	6094054	25-Jul-2000	08/668690	24-Jun-1996	Alliant Techsystems Inc.
Solar Concentrator Array	6091017	18-Jul-2000	09/379254	23-Aug-1999	Composite Optics, Incorporated
Capture Feature Tang Seal Defect Measurement Tool	6088925	18-Jul-2000	09/086572	29-May-1998	Alliant Techsystems Inc.
Advanced Designs For High Pressure, High Performance Solid Propellant Rocket Motors	6086692	11-Jul-2000	09/165304	02-Oct-1998	Alliant Techsystems Inc.

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Process For Controlled Deposition Profile Forced Flow Chemical Vapor Infiltration	6083560	04-Jul-2000	08/752450	15-Nov-1996	Alliant Techsystems Inc.
Solid Rocket Propellant	6066214	23-May-2000	09/183750	30-Oct-1998	Alliant Techsystems Inc.
Composite Isogrid Structures for Parabolic Surfaces	6064352	16-May-2000	09/053187	01-Apr-1998	Northrop Grumman Corporation/Alliant Techsystems, Inc./National Aeronautics and Space Administration
Coaxial Unfocused Optical Sensor For Dual Mode Seekers	6060703	09-May-2000	09/107009	29-Jun-1998	Alliant Techsystems Inc.
A Method for Mechanically Isolating Energetic Material Feed Streams From a Processing Extruder	6059045	09-May-2000	09/119733	21-Jul-1998	Alliant Techsystems Inc.
Method and Apparatus For Detecting Electromagnetic Waves	6054848	25-Apr-2000	08/927145	03-Sep-1997	Alliant Techsystems Inc.
Erosion Resistant-Low Signature Liner For Solid Propellant Rocket Motors	6054521	25-Apr-2000	08/986875	08-Dec-1997	Alliant Techsystems Inc.
Low Smoke Rocket Motor Liner Composition	6051087	18-Apr-2000	07/991467	16-Dec-1992	Alliant Techsystems Inc.
Method and Apparatus For Producing Fiber Reinforced Structures	6050315	18-Apr-2000	09/070445	30-Apr-1998	Alliant Techsystems Inc.
Metal Complexes For Use as Gas Generants	6039820	21-Mar-2000	08/899599	24-Jul-1997	Alliant Techsystems Inc.
Self-Contained Apparatus For Fiber Element Placement	6026883	22-Feb-2000	09/070421	30-Apr-1998	Alliant Techsystems Inc.
Shaped Charge Liner With Integral Initiation Mechanism	6026750	22-Feb-2000	09/053165	01-Apr-1998	Alliant Techsystems Inc.
Plume Enhancement Nozzle For Achieving Flare Rotation	5996502	07-Dec-1999	08/863399	27-May-1997	Alliant Techsystems Inc.
Lead-Free, Heavy-Metal-Free-Rim-Fire Priming Composition Dedicated For Ralph B. Lynn	5993577	30-Nov-1999	09/148192	04-Sep-1998	Federal Cartridge Company
Interfacial Propellant Burn Rate Control	5985361	16-Nov-1999	09/061098	16-Apr-1998	Alliant Techsystems Inc.
Assembly Including Tubular Bodies and Mated with a Compression Loaded Adhesive Bond	5984369	16-Nov-1999	09/094569	15-Jun-1998	Alliant Techsystems Inc.
Recoil System For the Butt Stock of a Firearm	5974718	02-Nov-1999	09/080163	15-May-1998	Blackhawk Industries Product Group Unlimited, LLC
Common Aperture Dual Mode Semi-Active Laser/Millimeter Wave Sensor	5973649	26-Oct-1999	08/959602	28-Oct-1997	Alliant Techsystems Inc.
Metal Hydrzaine Complexes Used as Gas Generants	5970703	26-Oct-1999	08/934900	22-Sep-1997	Alliant Techsystems Inc.

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Solar Array For Satellite Vehicles	5961738	05-Oct-1999	08/903123	30-Jul-1997	Alliant Techsystems Inc.
Through Bulkhead Initiator	5959236	28-Sep-1999	09/052644	31-Mar-1998	Alliant Techsystems Inc.
Processing and Curing Aid for Composite Propellants	5942720	24-Aug-1999	08/055079	29-Apr-1993	Alliant Techsystems Inc.
Apparatus and Method For Determining Angles-of-Arrival and Polarization of Incoming RF Signals	5936575	10-Aug-1999	09/023381	13-Feb-1998	Alliant Techsystems Inc.
Shoot-Through Cover For An Explosively Formed Penetrator Warhead	5925845	20-Jul-1999	08/905174	01-Aug-1997	Alliant Techsystems Inc.
Hydraulic Traverse and Elevation Mechanism	5922987	13-Jul-1999	08/862736	23-May-1997	Alliant Techsystems Inc.
Quick-Release Handgun Holster	5918784	06-Jul-1999	08/978306	25-Nov-1997	Blackhawk Industries Product Group Unlimited, LLC
Acceleration/Deceleration Sensing Switch For Munitions	5914459	22-Jun-1999	08/905173	01-Aug-1997	Alliant Techsystems Inc.
Pressable Infrared Illuminant Compositions	5912430	15-Jun-1999	08/386327	10-Feb-1995	ATK Thiokol Inc.
Deployable Helical Antenna Stowage in a Compact Retracted Configuration	5909197	01-Jun-1999	08/832982	04-Apr-1997	Alliant Techsystems Inc.
Propellant System	5892172	06-Apr-1999	08/841431	22-Apr-1997	Alliant Techsystems Inc .
Shot Pouch	5874689	23-Feb-1999	08/867180	02-Jun-1997	Federal Cartridge Company.
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	16-Dec-1997	Alliant Techsystems Inc.
Acoustic-Optical Scanning of Linear Detector Array For Laser Radar	5870181	09-Feb-1999	08/958956	28-Oct-1997	Alliant Techsystems Inc.
Injection-Moldable, Polycaprolactone-Based Biodegradable Plastic Articles Such as Shotgun Components, and Method of Manufacturing Same	5859090	12-Jan-1999	08/591176	16-Jan-1996	Federal Cartridge Company
Lead-Free Centerfire Primer With DDNP and Barium Nitrate Oxidizer	5831208	03-Nov-1998	08/768773	13-Dec-1996	Federal Cartridge Company
System and Method For the Construction of Spacecraft Structures	5803402	08-Sep-1998	08/645136	13-May-1996	Composite Optics, Incorporated
Monolithic X-Ray Image Detector and Method of Manufacturing	5798558	25-Aug-1998	08/495239	27-Jun-1995	Alliant Techsystems Inc.
High Performance Space Motor Propellants	5798480	25-Aug-1998	07/561973	02-Aug-1990	Alliant Techsystems Inc.
Photo-Degradable Shotgun of Polyethylene and EVA-C0 Terpolymer	5795923	18-Aug-1998	08/543946	17-Oct-1995	Federal Cartridge Company

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Gun-Launched Rocket	5792981	11-Aug-1998	08/739469	28-Oct-1996	Alliant Techsystems Inc.
Solid Propellant With Non-Crystalline Polyether/Energetic Plasticizer Binder	5783769	21-Jul-1998	07/326852	17-Mar-1989	Alliant Techsystems Inc.
Composite Antenna	5771027	23-Jun-1998	08/847864	28-Apr-1997	Alliant Techsystems Inc.
Interfacial Propellant Burn Rate Control	5767221	16-Jun-1998	08/448825	24-May-1995	Alliant Techsystems Inc.
Apparatus For Fiber Impregnation	5766357	16-Jun-1998	08/716027	19-Sep-1996	Alliant Techsystems Inc.
Polyphosphazene Rocket Motor Insulation and Barrier Layers	5762746	09-Jun-1998	07/394706	16-Aug-1989	Alliant Techsystems Inc.
Missile diverter integration method and system	5755401	26-May-1998	08/551006	31-Oct-1995	Alliant Techsystems Inc.
Recoil System For the Butt Stock of a Firearm	5752339	19-May-1998	08/794760	03-Feb-1997	Blackhawk Industries Product Group Unlimited, LLC
High Pressure Washout of Explosives Agents	5737709	07-Apr-1998	08/714825	17-Sep-1996	Alliant Techsystems Inc.
Inorganic Oxide Resins For Internal Oxidation Inhibition of Carbon-Carbon Composites	5736477	07-Apr-1998	07/355216	22-May-1989	Alliant Techsystems Inc.
Using Metal Complex Compositions as Gas Generants	5735118	07-Apr-1998	08/698657	16-Aug-1996	Alliant Techsystems Inc.
Thermostatic Bimetallic Retaining Ring For Use In Rocket Motor Assembly	5735114	07-Apr-1998	07/745531	15-Aug-1991	Alliant Techsystems Inc.
Counterbalance Assembly	5735020	07-Apr-1998	08/810894	05-Mar-1997	Alliant Techsystems Inc.
Methods of Preparing Gas Generant Formulations	5731540	24-Mar-1998	08/674152	01-Jul-1996	Alliant Techsystems Inc.
Gun Barrel Shrouding System	5726375	10-Mar-1998	08/662603	13-Jun-1996	Alliant Techsystems Inc.
Metal Complexes For Use as Gas Generants	5725699	10-Mar-1998	08/507552	26-Jul-1995	Alliant Techsystems Inc.
Pistol Grip Recoil System For the Receiver of a Firearm	5722195	03-Mar-1998	08/814063	10-Mar-1997	Blackhawk Industries Product Group Unlimited, LLC
Case Trimmer	5718423	17-Feb-1998	08/363359	23-Dec-1994	Alliant Techsystems Inc.
Band Fiber Forming and Placement Delivery Head	5698066	16-Dec-1997	07/924355	03-Aug-1992	Alliant Techsystems Inc.
Voltage Feedback Linearizer	5694132	02-Dec-1997	06/796832	12-Nov-1985	Alliant Techsystems Inc.
Electro-Mechanical Safety and Arming Device	5693906	02-Dec-1997	08/535744	28-Sep-1995	Alliant Techsystems Inc.
Bitetrazoleamine Gas Generant Compositions	5682014	28-Oct-1997	08/101396	02-Aug-1993	Alliant Techsystems Inc.

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Solid Propellant Dual Pulse Rocket Motor Loaded Case And Ignition System And Method Of Manufacture	5675966	14-Oct-1997	08/525336	07-Sep-1995	Alliant Techsystems Inc.
Metal Complexes For Use as Gas Generants	5673935	07-Oct-1997	08/484142	07-Jun-1995	Alliant Techsystems Inc.
Plume Enhancement Nozzle For Achieving Flare Rotation	5654522	05-Aug-1997	08/495716	27-Jun-1995	Alliant Techsystems Inc.
Synthesis of Bis(2,2-Dinitropropyl) Acetal (BDNPA)	5648556	15-Jul-1997	08/339138	14-Nov-1994	Alliant Techsystems Inc.
FMCW VCO Closed Loop Linearizer	5642081	24-Jun-1997	08/548428	26-Oct-1995	Alliant Techsystems Inc.
Propellant Gas-Generation System for Canister Ejection	5616884	01-Apr-1997	07/911941	10-Jul-1992	Alliant Techsystems Inc.
Periodic Surfaces For Selectively Modifying the Properties of Reflected Electromagnetic Waves	5606335	25-Feb-1997	07/686198	16-Apr-1991	Alliant Techsystems Inc.
Target Trap	5605139	25-Feb-1997	08/324412	17-Oct-1994	Ammunition Accessories, Inc.
Solid Propellant Dual Pulse Rocket Motor Loaded Case And Ignition System And Method Of Manufacture	5600946	11-Feb-1997	08/469759	06-Jun-1995	Alliant Techsystems Inc.
Metal Complexes For Use as Gas Generants	5592812	14-Jan-1997	08/599634	09-Feb-1996	Alliant Techsystems Inc.
High Energy Clean Space Motor Propellants	5591936	07-Jan-1997	07/561951	02-Aug-1990	Alliant Techsystems Inc.
Shock Tolerant Fuze	5585592	17-Dec-1996	08/251147	31-May-1994	Alliant Techsystems Inc.
Biplateau Reduced Smoke Propellant	5579634	03-Dec-1996	08/222423	01-Apr-1994	Alliant Techsystems Inc.
Stowable and Deployable Solar Energy Concentrator With Fresnel Lenses	5578139	26-Nov-1996	08/368774	03-Jan-1995	Alliant Techsystems Inc.
Composite Conformable Pressure Vessel	5577630	26-Nov-1996	08/382502	02-Feb-1995	Alliant Techsystems Inc.
Propellants Useful in Electrothermal-Chemical Guns	5574240	12-Nov-1996	08/593537	29-Jan-1996	Alliant Techsystems Inc.
Pulse Doppler Proximity Sensor	5539410	23-Jul-1996	07/844334	02-Mar-1992	Alliant Techsystems Inc.
Method Of Molding A Polar Boss To A Composite Pressure Vessel	5538680	23-Jul-1996	08/265406	24-Jun-1994	Alliant Techsystems Inc.
Low Vulnerability, Insensitive High Performance Explosive Compositions	5529649	25-Jun-1996	08/013034	03-Feb-1993	Alliant Techsystems Inc.
Method For Producing High Density Refractory Metal Warhead Liners From Single Phase Materials	5523048	04-Jun-1996	08/282345	29-Jul-1994	Alliant Techsystems Inc.
Method Of Surface Preparation Of Aluminum Substrates	5520768	28-May-1996	08/327305	21-Oct-1994	Alliant Techsystems Inc.



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Stable Plasticizers For Nitrocellulose Nitroguanidine-Type Compositions	5520756	28-May-1996	07/962950	16-Oct-1992	Alliant Techsystems Inc.
Vectorable Nozzle Having Jet Vanes	5511745	30-Apr-1996	08/366848	30-Dec-1994	Alliant Techsystems Inc.
Solid Launch Vehicle Destruct System	5507231	16-Apr-1996	08/322917	13-Oct-1994	Alliant Techsystems Inc.
Bitetrazoleamine Gas Generant Compositions	5501823	26-Mar-1996	08/162596	03-Dec-1993	Alliant Techsystems Inc.
Bitetrazoleamine Gas Generant Compositions	5500059	19-Mar-1996	08/437867	09-May-1995	Alliant Techsystems Inc.
Synthesis of 4,10-dinitro-2,6,8,12-tetraoxa-4,10-diazatetracyclo[5.5.0.0.05,903,11]dodecane	5498711	12-Mar-1996	08/101458	02-Aug-1993	Alliant Techsystems Inc.
Low Density Thermoplastic Elastomeric Insulation for Rocket Motors	5498649	12-Mar-1996	08/063511	18-May-1993	Alliant Techsystems Inc.
Multifunctional Magnetic Fuze	5497704	12-Mar-1996	08/176355	30-Dec-1993	Alliant Techsystems Inc.
Stowable and Deployable Concentrator For Solar Cells	5496414	05-Mar-1996	08/252998	02-Jun-1994	Alliant Techsystems Inc.
Stowable and Self-Deployable Parallelogram-Type Panel Array	5487791	30-Jan-1996	08/249125	25-May-1994	Alliant Techsystems Inc.
Bitetrazoleamine Gas Generant Compositions	5472647	05-Dec-1995	08/178572	07-Jan-1994	Alliant Techsystems Inc.
Composite Structure For Heat Transfer and Radiation	5471367	28-Nov-1995	08/212948	15-Mar-1994	Alliant Techsystems Inc.
Binder System For Crosslinked Double Base Propellant	5468311	21-Nov-1995	06/022123	05-Mar-1979	Alliant Techsystems Inc.
3-Nitramino-4-Nitrofurazan And Salts Thereof	5460669	24-Oct-1995	08/082918	28-Jun-1993	Alliant Techsystems Inc.
Programmable Electronic Time Delay Initiator	5460093	24-Oct-1995	08/101237	02-Aug-1993	Alliant Techsystems Inc.
Electromechanical Roll Control Apparatus and Method	5452864	26-Sep-1995	08/221358	31-Mar-1994	Alliant Techsystems Inc.
Synthesis of Bis(2,2-Dinitropropyl) Formal (BDNPF)	5449835	12-Sep-1995	08/339140	14-Nov-1994	Alliant Techsystems Inc.
Composite Antenna	5440801	15-Aug-1995	08/205879	03-Mar-1994	Alliant Techsystems Inc.
Low Cost Hermetically Sealed Semiconductor Bridge (SCB) Squib Forhigh Volume Production	5431101	11-Jul-1995	07/964636	22-Oct-1992	Alliant Techsystems Inc.
Polyether Compounds Having Both Imine and Hydroxyl Functionality and Methods of Synthesis	5414123	09-May-1995	08/173425	23-Dec-1993	Alliant Techsystems Inc.
Stage Separation And Thrust Reduction Apparatus	5400713	28-Mar-1995	08/208940	09-Mar-1994	Alliant Techsystems Inc.
Detector For Thermal Neutrons Utilizing Alternating Boron Slabs and CCD Arrays	5399863	21-Mar-1995	08/139910	19-Oct-1993	Alliant Techsystems Inc.

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Thermoplastic Elastomeric Internal Insulation for Rocket Motors for Low Temperature Applications	5399599	21-Mar-1995	08/039044	06-Apr-1993	Alliant Techsystems Inc.
Tape Wrapped, Fabric Reinforced, Flex Bearing	5399309	21-Mar-1995	06/807626	11-Dec-1985	Alliant Techsystems Inc.
Propellant Grain Machining Device	5391025	21-Feb-1995	07/871966	21-Apr-1992	Alliant Techsystems Inc.
Bore Mitigants For Solid Propellant Rocket Motors	5386776	07-Feb-1995	08/022180	24-Feb-1993	Alliant Techsystems Inc.
Perchlorate Removal Process	5382265	17-Jan-1995	08/143190	26-Oct-1993	Alliant Techsystems Inc.
Interpenetrating Network Combination Of Ultraviolet And Thermally Cured Rocket Motor Liner Composition And Method	5377593	03-Jan-1995	07/838091	20-Feb-1992	Alliant Techsystems Inc.
Propellant Gas-Generation System for Canister Ejection	5363768	15-Nov-1994	07/679305	02-Apr-1991	Alliant Techsystems Inc.
Self Venting Carbon Or Graphite Phenolic Ablatives	5359850	01-Nov-1994	08/031652	15-Mar-1993	Alliant Techsystems Inc.
Propellant Kerfing Machine	5349892	27-Sep-1994	07/788408	06-Nov-1991	Alliant Techsystems Inc. License to Army 12/20/91
Composite/metal Hybrid Rocket Motor Case And Methods For Manufacturing	5348603	20-Sep-1994	08/067849	27-May-1993	Alliant Techsystems Inc.
Solid Propellant With Non-Crystalline Polyether/Inert Plasticizer Binder	5348596	20-Sep-1994	07/398210	25-Aug-1989	Alliant Techsystems Inc.
Low Cost Segmented Structure For Pressure Vessels, Rocket Motors, Piping	5341638	30-Aug-1994	07/847169	09-Mar-1992	Alliant Techsystems Inc.
Compact Deployable Acoustic Sensor	5339281	16-Aug-1994	08/102466	05-Aug-1993	Alliant Techsystems Inc.
Biplateau Reduced Smoke Propellant	5334270	02-Aug-1994	07/981774	25-Nov-1992	Alliant Techsystems Inc.
Electronic Fuze Package and Method	5325784	05-Jul-1994	08/011580	01-Feb-1993	Alliant Techsystems Inc.
Parabolic Dual Reflector Antenna With Offset Feed	5319379	07-Jun-1994	06/643910	24-Aug-1984	Alliant Techsystems Inc.
Support Blanket For Solar Cell Arrays	5298085	29-Mar-1994	07/857542	24-Mar-1992	Alliant Techsystems Inc.
Lightweight Stowable and Deployable Solar Cell Array	5296044	22-Mar-1994	07/847720	06-Mar-1992	Alliant Techsystems Inc.
Phase-Stabilized Ammonium Nitrate And Method Of Making Same	5292387	08-Mar-1994	08/010391	28-Jan-1993	Alliant Techsystems Inc.
Insensitive Propellant Ignitor	5291828	08-Mar-1994	07/970993	26-Oct-1992	Alliant Techsystems Inc.
Fiber Placement Delivery System With Modular Cut/Add Actuators	5290389	01-Mar-1994	07/948626	21-Sep-1992	Alliant Techsystems Inc.

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Composite/metal Hybrid Rocket Motor Case And Methods For Manufacturing	5280706	25-Jan-1994	07/903852	25-Jun-1992	Alliant Techsystems Inc.
Gun Launched Non-Spinning Safety and Arming Mechanism	5275107	04-Jan-1994	07/901113	19-Jun-1992	Alliant Techsystems Inc.
Ribbonizing Method For Selectively Heating A Respective One of A Plurality of Fiber Tows	5273602	28-Dec-1993	07/956122	02-Oct-1992	Alliant Techsystems Inc.
Differential Polarization Ladar	5272351	21-Dec-1993	07/819283	13-Jan-1992	Alliant Techsystems Inc.
Chlorine-Free Solid Rocket Propellant for Space Boosters	5271778	21-Dec-1993	07/816357	27-Dec-1991	Alliant Techsystems Inc.
Electro-Mechanical Base Element Fuze	5271327	21-Dec-1993	07/901381	19-Jun-1992	Alliant Techsystems Inc.
Surfactant Stabilized Nitroglycerin Emulsion	5268046	07-Dec-1993	07/930128	14-Aug-1992	Alliant Techsystems Inc.
Module For an Articulated Stowable and Deployable Mast	5267424	07-Dec-1993	07/866029	09-Apr-1992	Alliant Techsystems Inc.
Magnetic Sabot Release Sensor (For Second Environment Safety)	5265539	30-Nov-1993	07/901392	19-Jun-1992	Alliant Techsystems Inc.
Pouch and Cheek Piece For Long Guns	5265365	30-Nov-1993	07/818297	09-Jan-1992	Blackhawk Industries Product Group Unlimited, LLC
Isotactic Poly(glycidyl Nitrate) and Synthesis Thereof	5264596	23-Nov-1993	07/928716	13-Aug-1992	Alliant Techsystems Inc.
Assembly and Method for Attaching a Pressure Vessel to Another Object	5257761	02-Nov-1993	07/840953	24-Feb-1992	Alliant Techsystems Inc.
Filament Wound Threaded Tube Connection	5233737	10-Aug-1993	07/782954	25-Oct-1991	Alliant Techsystems Inc.
Low Cost Hermetically Sealed Semiconductor Bridge (SCB) Squib Forhigh Volume Production	5230287	27-Jul-1993	07/686187	16-Apr-1991	Alliant Techsystems Inc.
Solid Propellant Rocket Motor Case For Insensitive Munitions Requirements	5228285	20-Jul-1993	07/843068	02-Mar-1992	Alliant Techsystems Inc.
Intermittently and Reversibly Operable Hot Wax Energized Hinge	5222277	29-Jun-1993	07/860788	31-Mar-1992	Alliant Techsystems Inc.
Lead-Free Primed Rimfire Cartridge	5216199	01-Jun-1993	07/726588	08-Jul-1991	Alliant Techsystems Inc.
Dynamic Infrared Scene Display	5214292	25-May-1993	07/745601	14-Aug-1991	Alliant Techsystems Inc.
Fuzing System For Tandem Demolition Warheads	5198615	30-Mar-1993	07/856531	24-Mar-1992	Alliant Techsystems Inc.
Isotactic Poly(glycidyl Nitrate) and Synthesis Thereof	5162494	10-Nov-1992	07/609198	05-Nov-1990	Alliant Techsystems Inc.
Voltage Controlled Oscillator	5159346	27-Oct-1992	07/712931	10-Jun-1991	Alliant Techsystems Inc.
Bandpass Filter Demodulation For FM-CW Systems	5150124	22-Sep-1992	07/674010	25-Mar-1991	Alliant Techsystems Inc.

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Unwinding Ribbon Safing and Arming Device	5147974	15-Sep-1992	07/609677	06-Nov-1990	Alliant Techsystems Inc.
Manufacturing Thin Wall Steel Cartridge Cases	5130207	14-Jul-1992	07/719972	24-Jun-1991	Alliant Techsystems Inc.
Focal Plane Array Seeker For Projectiles	5129595	14-Jul-1992	07/725196	03-Jul-1991	Alliant Techsystems Inc.
Extrudable Gas Generating Propellants, Method and Apparatus	5125684	30-Jun-1992	07/776943	15-Oct-1991	Alliant Techsystems Inc.
Process For Creating High Strength Tubing With Isotropic Mechanical Properties	5106431	21-Apr-1992	07/612418	13-Nov-1990	Alliant Techsystems Inc.
Method of Manufacturing a Hollow Point Bullet	5079814	14-Jan-1992	07/613281	13-Nov-1990	Alliant Techsystems Inc.
Ammunition Data Transmission System	5078051	07-Jan-1992	07/655071	14-Feb-1991	Alliant Techsystems Inc.
Bisphenol and Neopentyl Glycol Diglycidyl Ethers With Glycidyl Methacrylate Copolymer	5075356	24-Dec-1991	07/613421	15-Nov-1990	Alliant Techsystems Inc.
Manufacturing Thin Wall Steel Cartridge Cases	5048162	17-Sep-1991	07/612532	13-Nov-1990	Alliant Techsystems Inc.
Forward Control Tube With Sequenced Ignition	5042388	27-Aug-1991	07/613256	14-Nov-1990	Alliant Techsystems Inc.
Composite Conformable Pressure Vessel	RE41142	23-Feb-2010	10/113135	29-Mar-2002	Alliant Techsystems Inc.
Bezel	D393636	21-Apr-1998	29/035635	03-Mar-1995	Federal Cartridge Company
Low Profile Handle	D391143	24-Feb-1998	29/060737	04-Oct-1996	Federal Cartridge Company
Weapon Stock Pouch For Holding a Magazine	D413644	07-Sep-1999	29/079908	24-Nov-1997	Eagle Industries Unlimited, Inc.
Chest Pouch	D429564	22-Aug-2000	29/110895	15-Sep-1999	Eagle Industries Unlimited, Inc.
Chest Pouch	D435169	19-Dec-2000	29/110901	15-Sep-1999	Eagle Industries Unlimited, Inc.
Hydration Connector	D488866	20-Apr-2004	29/152834	03-Jan-2002	Blackhawk Industries Product Group Unlimited, LLC
Glove With Index Finger Stitching	D466672	10-Dec-2002	29/160225	08-May-2002	Blackhawk Industries Product Group Unlimited, LLC
Gas Mask Pouch	D485061	13-Jan-2004	29/175748	11-Feb-2003	Blackhawk Industries Product Group Unlimited, LLC
Butt Pack	D486303	10-Feb-2004	29/175749	11-Feb-2003	Blackhawk Industries Product Group Unlimited, LLC

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Cheek Pad	D490494	25-May-2004	29/178728	01-Apr-2003	Blackhawk Industries Product Group Unlimited, LLC
Set of Components For a Load Bearing Harness	D501592	01-Feb-2005	29/178729	01-Apr-2003	Blackhawk Industries Product Group Unlimited, LLC
Hydration Backpack	D505773	07-Jun-2005	29/178739	01-Apr-2003	Blackhawk Industries Product Group Unlimited, LLC
Hydration Backpack	D505774	07-Jun-2005	29/178740	01-Apr-2003	Blackhawk Industries Product Group Unlimited, LLC
Chest Harness	D488614	20-Apr-2004	29/178741	01-Apr-2003	Blackhawk Industries Product Group Unlimited, LLC
Plate Carrier Harness	D488290	13-Apr-2004	29/178742	01-Apr-2003	Blackhawk Industries Product Group Unlimited, LLC
Belt	D496143	21-Sep-2004	29/191053	02-Oct-2003	Blackhawk Industries Product Group Unlimited, LLC
Blackhawk Logo Panel	D500807	11-Jan-2005	29/194777	02-Dec-2003	Blackhawk Industries Product Group Unlimited, LLC
Combined Hydration Pack Cap and Mount	D539027	27-Mar-2007	29/199038	09-Feb-2004	Blackhawk Industries Product Group Unlimited, LLC
Flashlight Holder Cup	D501989	22-Feb-2005	29/199040	09-Feb-2004	Blackhawk Industries Product Group Unlimited, LLC
Flashlight Holster	D503039	22-Mar-2005	29/199057	09-Feb-2004	Blackhawk Industries Product Group Unlimited, LLC
Rigid Holster	D501991	22-Feb-2005	29/199058	09-Feb-2004	Blackhawk Industries Product Group Unlimited, LLC
Rigid Holster	D512561	13-Dec-2005	29/199059	09-Feb-2004	Blackhawk Industries Product Group Unlimited, LLC

Title	Patent Number	Issue Date	Application Number	Filing Date	Owner
Belt	D517775	28-Mar-2006	29/199063	09-Feb-2004	Blackhawk Industries Product Group Unlimited, LLC
Knife Handle	D510514	11-Oct-2005	29/199228	11-Feb-2004	Blackhawk Industries Product Group Unlimited, LLC
Knife Handle	D510249	04-Oct-2005	29/199245	11-Feb-2004	Blackhawk Industries Product Group Unlimited, LLC
Knife Handle	D513958	31-Jan-2006	29/203992	22-Apr-2004	Blackhawk Industries Product Group Unlimited, LLC
Recoil Protection Pad	D522214	06-Jun-2006	29/203993	22-Apr-2004	Blackhawk Industries Product Group Unlimited, LLC
Holster Holder Device	D508318	16-Aug-2005	29/208933	07-Jul-2004	Blackhawk Industries Product Group Unlimited, LLC
Holster Holder Device	D507104	12-Jul-2005	29/208936	07-Jul-2004	Blackhawk Industries Product Group Unlimited, LLC
Flashlight	D549860	28-Aug-2007	29/240815	19-Oct-2005	Blackhawk Industries Product Group Unlimited, LLC
Modular Holster With Trigger Guard	D537246	27-Feb-2007	29/253529	08-Feb-2006	Eagle Industries Unlimited, Inc.
Modular Holster With Trigger Guard	D543353	29-May-2007	29/253569	08-Feb-2006	Eagle Industries Unlimited, Inc.
Modular Holster With Trigger Guard	D539030	27-Mar-2007	29/253570	08-Feb-2006	Eagle Industries Unlimited, Inc.
Modular Holster With Trigger Guard	D543354	29-May-2007	29/253576	08-Feb-2006	Eagle Industries Unlimited, Inc.
Belt Loop	D567707	29-Apr-2008	29/253584	08-Feb-2006	Blackhawk Industries Product Group Unlimited, LLC
Flashlight	D541963	01-May-2007	29/260568	26-May-2006	Blackhawk Industries Product Group Unlimited, LLC
Gloves	D577177	23-Sep-2008	29/261694	19-Jun-2006	Blackhawk Industries Product Group Unlimited, LLC

Title	Patent Number	Issue Date	Application Number	Filing Date	Owner
Trousers	D572434	08-Jul-2008	29/271160	11-Jan-2007	Blackhawk Industries Product Group Unlimited, LLC
Adjustable Grip For a Firearm	D604794	24-Nov-2009	29/289531	24-Jul-2007	Blackhawk Industries Product Group Unlimited, LLC
Information Tablet	D597302	04-Aug-2009	29/294911	02-Feb-2008	Blackhawk Industries Product Group Unlimited, LLC
Pants	D580629	18-Nov-2008	29/294912	02-Feb-2008	Blackhawk Industries Product Group Unlimited, LLC
Jacket	D580631	18-Nov-2008	29/294916	02-Feb-2008	Blackhawk Industries Product Group Unlimited, LLC
Shirt	D580632	18-Nov-2008	29/294918	02-Feb-2008	Blackhawk Industries Product Group Unlimited, LLC
Vest	D580630	18-Nov-2008	29/294919	02-Feb-2008	Blackhawk Industries Product Group Unlimited, LLC
Suspension System and Chin Strap Assembly For a Helmet	D604461	17-Nov-2009	29/307088	31-Mar-2008	Blackhawk Industries Product Group Unlimited, LLC
Entry Ram	D589769	07-Apr-2009	29/312040	26-Sep-2008	Blackhawk Industries Product Group Unlimited, LLC
Dagger	D597627	04-Aug-2009	29/312496	24-Oct-2008	Blackhawk Industries Product Group Unlimited, LLC
Fore End Stock for a Frearm	D614723	27-Apr-2010	29/289533	24-Jul-2007	Blackhawk Industries Product Group Unlimited, LLC
Firearm Forend	D615142	04-May-2010	29/327249	03-Nov-2008	Blackhawk Industries Product Group Unlimited, LLC
Gun Stock	D616522	25-May-2010	29/327250	03-Nov-2008	Blackhawk Industries Product Group Unlimited, LLC

Title	Patent Number	Issue Date	Application Number	Filing Date	Owner
Rifle Stock	D616056	18-May-2010	29/327251	03-Nov-2008	Blackhawk Industries Product Group Unlimited, LLC
Sleeping Bag	D624279	28-Sept-2010	29/294913	02-Feb-2008	Blackhawk Industries Product Group Unlimited, LLC

### U.S. Pending Patents

Title	Application Number	Filing Date	Owner
	06/465701	10-Feb-1983	Alliant Techsystems Inc.
	07/030324	26-Mar-1987	Alliant Techsystems Inc.
	07/173793	28-Mar-1988	Alliant Techsystems Inc.
	07/354542	19-May-1989	Alliant Techsystems Inc.
	07/368851	23-May-1989	Alliant Techsystems Inc.
	07/451717	29-Nov-1989	Alliant Techsystems Inc.
	07/561800	02-Aug-1990	Alliant Techsystems Inc.
	07/584210	18-Sep-1990	Alliant Techsystems Inc.
	08/204044	30-Dec-1993	Alliant Techsystems Inc.
	08/535551	28-Sep-1995	Alliant Techsystems Inc.
	09/954126	17-Sep-2001	Alliant Techsystems Inc.
Pourable centerport inhibitor for solid propellant rocket motors	10/369488	24-Feb-2003	Alliant Techsystems Inc.
	10/370745	24-Feb-2003	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	10/444056	22-May-2003	Alliant Techsystems Inc.
Evaporator for a heat transfer system and related methods	10/676265	02-Oct-2003	Alliant Techsystems Inc.
Man-rated fire suppression system	10/727088	02-Dec-2003	Alliant Techsystems Inc.
Explosive molding powder slurry processing in a nonaqueous medium using a mixed solvent lacquer system	10/756192	13-Jan-2004	Alliant/ARDEC
Energetic structural material	10/870889	16-Jun-2004	Alliant Techsystems Inc.
Spin sensor for low spin munitions	10/994497	22-Nov-2004	Alliant Techsystems Inc.
	11/030270	06-Jan-2005	Blackhawk Industries Product Group Unlimited, LLC
	11/032325	10-Jan-2005	Blackhawk Industries Product Group Unlimited, LLC
	11/032447	10-Jan-2005	Blackhawk Industries Product Group Unlimited, LLC
Deployable structural assemblies, systems for deploying such structural assemblies and related methods	11/080357	15-Mar-2005	Alliant Techsystems Inc.
Wick having liquid superheat tolerance, etc.	11/167759	28-Jun-2005	Alliant Techsystems Inc.
	11/257396	25-Oct-2005	Alliant Techsystems Inc.
Rapid deployable weapon retention system for tactical holsters	11/307092	23-Jan-2006	Eagle Industries Unlimited Inc.



Title	Application Number	Filing Date	Owner
	11/350130	08-Feb-2006	Blackhawk Industries Product Group Unlimited, LLC
	11/350178	08-Feb-2006	Blackhawk Industries Product Group Unlimited, LLC
	11/359766	23-Feb-2006	Alliant Techsystems Inc.
	11/367000	02-Mar-2006	Alliant Techsystems Inc.
	11/369908	07-Mar-2006	Alliant Techsystems Inc.
	11/383740	16-May-2006	Alliant Techsystems Inc.
	11/383953	17-May-2006	Alliant Techsystems Inc.
Man-rated fire suppression system and related methods	11/409257	21-Apr-2006	Alliant Techsystems Inc.
Multi-colored visishot paper target	11/432021	11-May-2006	Alliant Techsystems Inc.
Method for processing explosives containing 2,4,6,8,10,12-hexanitro-2,4,6,8,10,12-hexaazatetracyclo[5.5.0.0.05,903,11]-dodecane (CL-20) with naphthenic and paraffinic oils	11/437006	17-May-2006	Alliant Techsystems Inc.
Cooling system for high-speed vehicles and method of cooling high-speed vehicles	11/442677	25-May-2006	Alliant Techsystems Inc.
	11/458870	20-Jul-2006	Eagle Industries Unlimited, Inc.
Compaction device for fiber placement using interdependent segment travel	11/476455	28-Jun-2006	Alliant Techsystems Inc.
Apparatus and method for filtering granular solid material	11/482881	07-Jul-2006	Alliant Techsystems Inc.
O-nitro compounds, pharmaceutical compositions thereof and uses thereof	11/502974	11-Aug-2006	Alliant Techsystems Inc./RadioRX, Inc.
Reactive material enhanced projectiles and related methods	11/538763	04-Oct-2006	Alliant Techsystems Inc.
Methods and apparatuses for electronic time delay and systems including same	11/553361	26-Oct-2006	Alliant Techsystems Inc.
Adaptive structures, systems incorporating same and related methods	11/556988	06-Nov-2006	Alliant Techsystems Inc.
Method and apparatus for munition timing and munitions incorporating same	11/564714	29-Nov-2006	Alliant Techsystems Inc.
Modular cheek rest and storage assembly	11/594578	08-Nov-2006	Blackhawk Industries Product Group Unlimited, LLC
	11/620205	05-Jan-2007	Alliant Techsystems Inc.
	11/627356	25-Jan-2007	Eagle Industries Unlimited, Inc.
	11/652418	11-Jan-2007	Blackhawk Industries Product Group Unlimited, LLC
	11/671054	05-Feb-2007	Eagle Industries Unlimited, Inc.
	11/671068	05-Feb-2007	Eagle Industries Unlimited, Inc.
	11/677638	22-Feb-2007	Alliant Techsystems Inc.
REACTIVE MATERIAL COMPOSITIONS, SHOT SHELLS INCLUDING REACTIVE MATERIALS, AND A METHOD OF PRODUCING SAME	11/690016	22-Mar-2007	Alliant Techsystems Inc.
	11/690110	22-Mar-2007	Alliant Techsystems Inc.
	11/697005	05-Apr-2007	Alliant Techsystems Inc.
	11/703882	08-Feb-2007	Blackhawk Industries Product Group Unlimited, LLC
Non-toxic percussion primers and methods of preparing the same	11/704530	09-Feb-2007	Alliant Techsystems Inc.

Title	Application Number	Filing Date	Owner
Ionic liquid, a method of synthesizing an ionic LIQUID, A PRECURSOR OF AN EXPLOSIVE COMPOSITION INCLUDING AT LEAST ONE IONIC LIQUID, AND A METHOD OF DESENSITIZING AN EXPLOSIVE COMPOSITION	11/735105	13-Apr-2007	Alliant Techsystems Inc.
	11/744986	07-May-2007	Alliant Techsystems Inc.
Assemblies for Thermal Management of Optical Systems and Related Methods	11/759073	06-Jun-2007	Alliant Techsystems Inc.
Thermal protection system and related methods	11/763280	14-Jun-2007	Alliant Techsystems Inc.
	11/774753	09-Jul-2007	Alliant Techsystems Inc.
Methods for forming composite stiffeners and reinforcing structures	11/831759	31-Jul-2007	Alliant Techsystems Inc.
Traumatic brain injury biomarker diagnostic	11/834493	06-Aug-2007	Alliant Techsystems Inc.
	11/852181	07-Sep-2007	Federal Cartridge Company
	11/895718	27-Aug-2007	Blackhawk Industries Product Group Unlimited, LLC
	11/906628	03-Oct-2007	Blackhawk Industries Product Group Unlimited, LLC
	11/906629	03-Oct-2007	Blackhawk Industries Product Group Unlimited, LLC
Energy capture circuit	11/925188	26-Oct-2007	Alliant Techsystems Inc.
Rapid Acquisition Shooting System	11/934431	02-Nov-2007	Alliant Techsystems Inc.
Solar arrays	11/944061	21-Nov-2007	Alliant Techsystems Inc.
Resolution radar using metamaterials	11/955795	13-Dec-2007	Alliant Techsystems Inc.
	11/982683	02-Nov-2007	Blackhawk Industries, Inc.
	11/985658	16-Nov-2007	Blackhawk Industries Product Group Unlimited, LLC
	11/985668	16-Nov-2007	Blackhawk Industries Product Group Unlimited, LLC
	12/006987	08-Jan-2008	Blackhawk Industries Product Group Unlimited, LLC
Methods of preventing initiation of explosive devices	12/020491	25-Jan-2008	Alliant Techsystems Inc.
Non-toxic percussion primers and methods of preparing the same	12/029084	11-Feb-2008	Alliant Techsystems Inc.
	12/032142	15-Feb-2008	Eagle Industries Unlimited, Inc.
Method and apparatus for suppression of fires	12/042200	04-Mar-2008	Alliant Techsystems Inc.
Methods and systems for verifying sensor bond integrity	12/046553	12-Mar-2008	Alliant Techsystems Inc.
	12/052629	20-Mar-2008	Alliant Techsystems Inc.
Reactive material enhanced munition compositions and projectiles containing same	12/127627	27-May-2008	Alliant Techsystems Inc.
Non-Contact Deviation Measurement System	12/131613	02-Jun-2008	Alliant Techsystems Inc.
Hypersonic Inlet Systems and Methods	12/133289	04-Jun-2008	Alliant Techsystems Inc./The Boeing Company
Synthesis of energetic thermoplastic elastomers containing both polyoxirane and polyoxetane blocks	12/137962	12-Jun-2008	Alliant Techsystems Inc.
Polyoxymethylene as structural support member and propellant	12/152137	12-May-2008	Alliant Techsystems, Inc./Physical Sciences Inc.







Title	Application Number	Filing Date	Owner
Optical devices comprising glass materials, laser systems, including such optical devices, and methods of forming such optical devices and laser systems	12/179391	24-Jul-2008	Alliant Techsystems Inc.
	12/194437	19-Aug-2008	Alliant Techsystems Inc.
Retention holster having an extended pivot guard	12/215755	30-Jun-2008	Blackhawk Industries Product Group Unlimited, LLC
	12/231476	03-Sep-2008	Blackhawk Industries Product Group Unlimited, LLC
Multifunctional radiation-hardened laminate	12/247090	07-Oct-2008	Alliant Techsystems Inc.
	12/263645	03-Nov-2008	Blackhawk Industries Product Group Unlimited, LLC
	12/263656	03-Nov-2008	Blackhawk Industries Product Group Unlimited, LLC
	12/263663	03-Nov-2008	Blackhawk Industries Product Group Unlimited, LLC
	12/263674	03-Nov-2008	Blackhawk Industries Product Group Unlimited, LLC
	12/269731	12-Nov-2008	Alliant Techsystems Inc.
	12/291044	31-Jul-2009	Alliant Techsystems Inc.
Tourniquet system	12/312568	15-Nov-2007	Blackhawk Industries Product Group Unlimited, LLC
Apparatus and methods for forming composite stiffeners and reinforcing structures	12/323325	25-Nov-2008	Alliant Techsystems Inc.
Apparatus and methods for forming composite stiffeners and reinforcing structures	12/323382	25-Nov-2008	Alliant Techsystems Inc.
Low cost, low-density, ablative rubber insulation for rocket motors	12/328892	05-Dec-2008	Alliant Techsystems Inc.
Stiffener tool positioning apparatus	12/363547	30-Jan-2009	Alliant Techsystems Inc.
Tactical vest for canines	12/369529	11-Feb-2009	Eagle Industries Unlimited, Inc.
Animal vest sizing device and method	12/369557	11-Feb-2009	Eagle Industries Unlimited, Inc.
Lightning directing system	12/391383	24-Feb-2009	Alliant Techsystems Inc.
Cyclic nitro compounds, pharmaceutical compositions thereof and uses thereof	12/397651	04-Mar-2009	Alliant Techsystems Inc./RadioRX
	12/401097	10-Mar-2009	Alliant Techsystems Inc.
Electromagnetically pumped alkali metal vapor cell system	12/404593	16-Mar-2009	Alliant Techsystems Inc.
Methods and systems for measuring target movement with an interferometer	12/404815	16-Mar-2009	Alliant Techsystems Inc.
	12/406778	18-Mar-2009	Alliant Techsystems Inc.
Non-circular cross-section missile components, missiles incorporating same, and methods of operation	12/410283	24-Mar-2009	Alliant Techsystems Inc.
	12/411762	26-Mar-2009	Alliant Techsystems Inc./Reynolds Systems, Inc.
Helical cross flow (HCF) pulse detonation engine	12/414281	30-Mar-2009	Alliant Techsystems Inc.
Thermal management system	12/426001	17-Apr-2009	Alliant Techsystems Inc.
Fuze mounting for a penetrator and method thereof	12/434826	04-May-2009	Alliant Techsystems Inc.
	12/435138	04-May-2009	Alliant Techsystems Inc.
	12/460920	23-Dec-2009	Alliant Techsystems Inc.
Fuel reformulation system and method	12/465407	13-May-2009	Alliant Techsystems Inc.

Title	Application Number	Filing Date	Owner
Broadband patch antenna and antenna system	12/465835	14-May-2009	Alliant Techsystems Inc.
	12/473383	28-May-2009	Alliant Techsystems Inc.
	12/478019	04-Jun-2009	Alliant Techsystems Inc.
Optical coupled sensors for harsh environments	12/479251	05-Jun-2009	Alliant Techsystems Inc.
	12/483613	12-Jun-2009	Alliant Techsystems Inc.
	12/484985	15-Jun-2009	Alliant Techsystems Inc.
Low temperature extrudable, high density reactive materials	12/507605	22-Jul-2009	Alliant Techsystems Inc.
	12/510017	27-Jul-2009	Alliant Techsystems Inc.
Method of manufacturing heat exchanger cooling passages in aero propulsion structure	12/512515	30-Jul-2009	Alliant Techsystems Inc.
	12/534450	03-Aug-2009	Alliant Techsystems Inc.
	12/540331	12-Aug-2009	Alliant Techsystems Inc.
	12/543938	19-Aug-2009	Alliant Techsystems Inc.
	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.
	12/548937	27-Aug-2009	Alliant Techsystems Inc.
	12/551274	31-Aug-2009	Alliant Techsystems Inc.
	12/557028	10-Sep-2009	Alliant Techsystems Inc.
Methods of forming a sensitized explosive and a percussion primer	12/559218	14-Sep-2009	Alliant Techsystems Inc.
Methods and systems for producing hydrogen and system for producing power	12/581735	19-Oct-2009	Alliant Techsystems Inc.
	12/615908	10-Nov-2009	Alliant Techsystems Inc.
	12/615980	10-Nov-2009	Alliant Techsystems Inc.
	12/620131	17-Nov-2009	Alliant Techsystems Inc.
Reduced energy training cartridge for self-loading firearms	12/625033	24-Nov-2009	Federal Cartridge Company
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.
Heat transfer system	12/650394	30-Dec-2009	Alliant Techsystems Inc.
	12/657652	25-Jan-2010	Blackhawk Industries Product Group Unlimited, LLC
Deployable truss having second order augmentation	12/683344	06-Jan-2010	Alliant Techsystems Inc.
Method For Fabricating Structural Propellants	12/689562	19-Jan-2010	ATK/Physical Sciences Inc.
	12/701126	05-Feb-2010	Alliant Techsystems Inc.
	12/702782	09-Feb-2010	Alliant Techsystems Inc.
	12/723446	12-Mar-2010	Alliant Techsystems Inc.
Releasable vest	12/733012	01-Aug-2008	Blackhawk Industries Product Group Unlimited, LLC
Tourniquet system	12/733337	25-Aug-2008	Blackhawk Industries Product Group Unlimited, LLC
	12/751607	31-Mar-2010	Alliant Techsystems Inc.
	12/759333	13-Apr-2010	Alliant Techsystems Inc.

Title	Application Number	Filing Date	Owner
Methods of controlling thrust in a rocket motor	12/760069	14-Apr-2010	Alliant Techsystems Inc.
Rocket motors incorporating basalt fiber and nanoclay compositions and methods of insulating a rocket motor with the same	12/765585	22-Apr-2010	Alliant Techsystems Inc.
	12/775290	06-May-2010	Alliant Techsystems Inc.
	12/777508	11-May-2010	Alliant Techsystems Inc.
	12/788014	26-May-2010	Alliant Techsystems Inc./RadioRX
	12/789724	28-May-2010	Alliant Techsystems Inc.
	12/795222	07-Jun-2010	ATK/Pollack Laboratories, Inc.
	12/797127	09-Jun-2010	Alliant Techsystems Inc.
	12/798810	12-Apr-2010	Blackhawk Industries Product Group Unlimited, LLC
	12/799959	05-May-2010	Blackhawk Industries Product Group Unlimited, LLC
Multi-dimensional portable gas chromatograph system	12/814147	11-Jun-2010	Alliant Techsystems Inc.
	12/832251	08-Jul-2010	Alliant Techsystems Inc.
	12/833894	09-Jul-2010	Alliant Techsystems Inc.
	12/842767	23-Jul-2010	Alliant Techsystems Inc.
	12/844684	27-Jul-2010	Alliant Techsystems Inc.
	12/850536	04-Aug-2010	Alliant Techsystems Inc.
	12/870556	27-Aug-2010	Alliant Techsystems Inc.
	12/883030	15-Sep-2010	Alliant Techsystems Inc.
	29/294917	02-Feb-2008	Blackhawk Industries Product Group Unlimited, LLC
	29/314934	11-May-2009	Blackhawk Industries Product Group Unlimited, LLC
	29/315034	20-May-2009	Blackhawk Industries Product Group Unlimited, LLC
	29/316128	28-Aug-2009	Blackhawk Industries Product Group Unlimited, LLC
	29/316129	26-Aug-2009	Blackhawk Industries Product Group Unlimited, LLC
	29/316151	28-Aug-2009	Blackhawk Industries Product Group Unlimited, LLC
	29/316765	29-Oct-2009	Blackhawk Industries Product Group Unlimited, LLC
	61/280829	09-Nov-2009	Blackhawk Industries Product Group Unlimited, LLC
	61/335855	13-Jan-2010	Blackhawk Industries Product Group Unlimited, LLC
	61/335856	13-Jan-2010	Blackhawk Industries Product Group Unlimited, LLC
	61/342508	14-Apr-2010	Alliant Techsystems Inc.
	61/368946	29-Jul-2010	Alliant Techsystems Inc.
	61/368954	29-Jul-2010	Alliant Techsystems Inc.

Schedule B  
TRADEMARKS

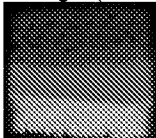



**U.S. Registered Trademarks**








Trademark Name	Owner	Application Number	File Date	Registration Number	Registration Date
410	Alliant Techsystems Inc., through its wholly owned subsidiary, New River Energetics	78/149187	31-Jul-2002	2803714	06-Jan-2004
2400	Alliant Techsystems Inc.	74/731661	20-Sep-1995	2062642	20-May-1997
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	71/638197	17-Nov-1952	0577427	14-Jul-1953
AMERICAN EAGLE	Federal Cartridge Company	72/182715	10-Dec-1963	0781203	08-Dec-1964
AMERICAN EAGLE & Design 	Federal Cartridge Company	74/130306	14-Jan-1991	1671071	07-Jan-1992
AMERICAN EAGLE & Design 	Federal Cartridge Company	71/291558	25-Oct-1929	0267303	18-Feb-1930
AMERICAN EAGLE & Design 	Federal Cartridge Company	72/221874	23-Jun-1965	0808014	10-May-1966
AMERICAN EAGLE & Design 	Federal Cartridge Company	72/182717	10-Dec-1963	0783485	19-Jan-1965
AMERICAN EAGLE (Stylized) AMERICAN EAGLE	Federal Cartridge Company	73/826420	19-Sep-1989	1600686	12-Jun-1990






Trademark Name	Owner	Application Number	File Date	Registration Number	Registration Date
American Eagle Design 	Federal Cartridge Company	71/657271	02-Dec-1953	0595057	14-Sep-1954
American Eagle Design 	Federal Cartridge Company	72/221810	23-Jun-1965	0808748	24-May-1966
American Eagle Design 	Federal Cartridge Company	72/182716	10-Dec-1963	0782263	29-Dec-1964
AMERICAN SELECT	Alliant Techsystems Inc.	77/688273	11-Mar-2009	3679736	08-Sep-2009
AMERICAN SPORTER	Alliant Techsystems Inc.	74/335989	02-Dec-1992	1826448	15-Mar-1994
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
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 & Design 	Alliant Techsystems Inc.	77/155317	12-Apr-2007	3526313	04-Nov-2008
ATK PREMIUM PARTNERS Logo (Color) 	Alliant Techsystems Inc.	78/555263	27-Jan-2005	3373825	22-Jan-2008
ATK PREMIUM PARTNERS Logo (Color) 	Alliant Techsystems Inc.	78/555261	27-Jan-2005	3163831	24-Oct-2006

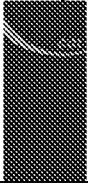


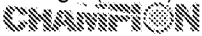
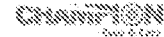
Trademark Name	Owner	Application Number	File Date	Registration Number	Registration Date
ATK PREMIUM PARTNERS Logo (Color) 	Alliant Techsystems Inc.	78/555255	27-Jan-2005	3262289	10-Jul-2007
ATK PREMIUM PARTNERS Logo (Color) 	Alliant Techsystems Inc.	78/555257	27-Jan-2005	3163830	24-Oct-2006
ATK THIOKOL	Alliant Techsystems Inc.	78/343608	19-Dec-2003	3151595	03-Oct-2006
ATK THIOKOL	Alliant Techsystems Inc.	78/343274	19-Dec-2003	3163427	24-Oct-2006
ATK THIOKOL	Alliant Techsystems Inc.	78/343271	19-Dec-2003	3163426	24-Oct-2006
AVIATOR	Alliant Techsystems Inc.	78/548476	17-Jan-2005	3069561	14-Mar-2006
AVIATOR	Alliant Techsystems Inc.	77/106134	13-Feb-2007	3510584	07-Oct-2008
BALLISTICLEAN	Federal Cartridge Company	75/027145	04-Dec-1995	2012000	29-Oct-1996
BAR-BUOY	Alliant Techsystems Inc.	72/056753	07-Aug-1958	0679813	09-Jun-1959
BHI & Design 	Alliant Techsystems Inc.	75/054212	06-Feb-1996	2021066	03-Dec-1996
BIKE-BUOY	Alliant Techsystems Inc.	73/370104	17-Jun-1982	1253801	11-Oct-1983
BLACK CLOUD	Alliant Techsystems Inc.	78/904618	09-Jun-2006	3357898	18-Dec-2007
BLACKCLOUD & Design (Color) 	Alliant Techsystems Inc.	77/070599	22-Dec-2006	3349215	04-Dec-2007


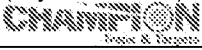
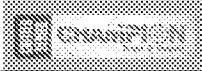
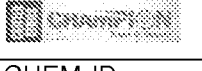



Trademark Name	Owner	Application Number	File Date	Registration Number	Registration Date
BlackCloud Package Design (Color) 	Alliant Techsystems Inc.	77/070612	22-Dec-2006	3499586	09-Sep-2008
BLACKHAWK	Alliant Techsystems Inc.	75/054278	06-Feb-1996	2207855	08-Dec-1998
BLACKHAWK	Alliant Techsystems Inc.	78/553171	25-Jan-2005	3100315	06-Jun-2006
BLACKHAWK	Blackhawk Industries [sic] Product Group Unlimited, LLC	75/696418	03-May-1999	2737060	15-Jul-2003
Blackhawk Metallibird Design 	Alliant Techsystems Inc.	78/619610	29-Apr-2005	3156851	17-Oct-2006
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!	Alliant Techsystems Inc.	77/369472	11-Jan-2008	3582358	03-Mar-2009
BLACKHAWK! PRODUCTS GROUP & Design 	Alliant Techsystems Inc.	78/550599	20-Jan-2005	3128831	15-Aug-2006
BLACKHAWK! PRODUCTS GROUP & Design 	Alliant Techsystems Inc.	78/550614	20-Jan-2005	3141280	12-Sep-2006

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BLACKHAWK! PRODUCTS GROUP & Design 	Alliant Techsystems Inc.	78/550582	20-Jan-2005	3198080	16-Jan-2007
BLACKHAWK! PRODUCTS GROUP & Design 	Alliant Techsystems Inc.	78/829704	06-Mar-2006	3201466	23-Jan-2007
BLACKHAWK! PRODUCTS GROUP & Design 	Alliant Techsystems Inc.	78/863901	18-Apr-2006	3204019	30-Jan-2007
BLACKHAWK! THE WORLD'S FINEST TACTICAL GEAR 	Alliant Techsystems Inc.	78/551785	21-Jan-2005	3128841	15-Aug-2006
BLACKHAWK! THE WORLD'S FINEST TACTICAL GEAR 	Alliant Techsystems Inc.	78/551763	21-Jan-2005	3128840	15-Aug-2006
BLACKHAWK! THE WORLD'S FINEST TACTICAL GEAR & Design 	Alliant Techsystems Inc.	78/551783	21-Jan-2005	3232395	24-Apr-2007
BLACKHAWK! THE WORLD'S FINEST TACTICAL GEAR & Design 	Alliant Techsystems Inc.	78/866505	21-Apr-2006	3232955	24-Apr-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	0971715	30-Oct-1973
BOREBLAST	Alliant Techsystems Inc.	78/782330	29-Dec-2005	3309353	09-Oct-2007

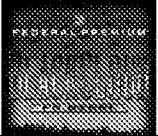





Trademark Name	Owner	Application Number	File Date	Registration Number	Registration Date
BULLS EYE (Stylized) 	Alliant Techsystems Inc.	71/021649	18-Aug-1906	0061982	16-Apr-1907
BUSHMASTER	Alliant Techsystems Inc.	75/166423	16-Sep-1996	2168336	23-Jun-1998
CADDIE-BUOY	Alliant Techsystems Inc.	73/341460	14-Dec-1981	1236373	03-May-1983
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	0831313	04-Jul-1967
CCI	Alliant Techsystems Inc.	78/411019	30-Apr-2004	3174875	21-Nov-2006
CCI	Alliant Techsystems Inc.	78/411021	30-Apr-2004	3149538	26-Sep-2006
CCI	Alliant Techsystems Inc.	78/487090	21-Sep-2004	3143215	12-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 & Design (Color) 	Alliant Techsystems Inc.	78/493762	04-Oct-2004	3112957	04-Jul-2006
CCI & Design (Color) 	Alliant Techsystems Inc.	78/769473	08-Dec-2005	3389952	26-Feb-2008

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CCI & 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
CCI V & Design (Color) (CCI Packaging Design) 	Alliant Techsystems Inc.	78/818957	20-Feb-2006	3309512	09-Oct-2007
CHAIN GUN	Alliant Techsystems Inc.	73/027311	22-Jul-1974	1047223	31-Aug-1976
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.	78/376474	01-Mar-2004	3077532	04-Apr-2006
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 & 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
CHAMPION EYES and EARS & 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






Trademark Name	Owner	Application Number	File Date	Registration Number	Registration Date
CHAMPION TRAPS & TARGETS (Stylized) 	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.	78/374572	26-Feb-2004	3042639	10-Jan-2006
CHAMPION TRAPS & TARGETS CRITTER SERIES & Design (Color) 	Alliant Techsystems Inc.	78/376071	01-Mar-2004	3042643	10-Jan-2006
CHEM-ID	Alliant Techsystems Inc.	78/184503	13-Nov-2002	3330356	06-Nov-2007
CIRAS	Eagle Industries Unlimited, Inc.	77/071679	27-Dec-2006	3338230	20-Nov-2007
CLASSIC	Federal Cartridge Company	75/707290	17-May-1999	2401619	07-Nov-2000
CLASSIC HI-BRASS (Stylized) 	Federal Cartridge Company	73/799199	11-May-1989	1595232	08-May-1990
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
CLOSE QUARTERS CONCEALMENT	Alliant Techsystems Inc.	78/356864	23-Jan-2004	2979774	26-Jul-2005
COPPER-KLENZ	Alliant Techsystems Inc.	78/497841	11-Oct-2004	3020772	29-Nov-2005
CQC	Alliant Techsystems Inc.	78/356840	23-Jan-2004	3161038	17-Oct-2006

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DE & Design 	Alliant Techsystems Inc.	76/578455	01-Mar-2004	2959198	07-Jun-2005
DEDICATED TO MAKING A DIFFERENCE	Alliant Techsystems Inc.	78/418893	14-May-2004	3044826	17-Jan-2006
DEEP-SHOK	Alliant Techsystems Inc.	75/684648	16-Apr-1999	2472138	24-Jul-2001
DRINK-BUOY	Alliant Techsystems Inc.	73/341461	14-Dec-1981	1249869	30-Aug-1983
DROP DUCKS LIKE RAIN	Alliant Techsystems Inc.	78/956255	21-Aug-2006	3374419	22-Jan-2008
Duck Design 	Federal Cartridge Company	72/330271	17-Jun-1969	0907401	09-Feb-1971
Duck Design 	Federal Cartridge Company	72/330264	17-Jun-1969	0907400	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 (Color) 	Alliant Techsystems Inc.	78/526572	03-Dec-2004	3166278	31-Oct-2006
EAGLE & Design 	Eagle Industries Unlimited, Inc.	77/160825	19-Apr-2007	3629291	02-Jun-2009
EAGLE & Design 	Eagle Industries Unlimited, Inc.	74/208733	30-Sep-1991	1789291	24-Aug-1993
Eagle Design 	Federal Cartridge Company	74/124723	17-Dec-1990	1673392	28-Jan-1992






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Eagle Design 	Eagle Industries Unlimited, Inc.	77/370003	11-Jan-2008	3629492	02-Jun-2009
EASYBIRD	Alliant Techsystems Inc.	78/474904	27-Aug-2004	3127817	08-Aug-2006
E-BIRD	Alliant Techsystems Inc.	78/418809	14-May-2004	3139958	05-Sep-2006
ECI	Federal Cartridge Company	78/452574	21-Jun-2005	2995068	13-Sep-2005
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
ESTATE CARTRIDGE INC.	Federal Cartridge Company	75/931432	29-Feb-2000	2419306	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
EXPANDER	Alliant Techsystems Inc.	78/730460	11-Oct-2005	3320532	23-Oct-2007
EXTRA-LITE	Alliant Techsystems Inc.	75/043088	16-Jan-1996	2017887	19-Nov-1996
FEDERAL	Federal Cartridge Company	72/121373	05-Jun-1961	0729938	17-Apr-1962
FEDERAL	Federal Cartridge Company	78/332009	24-Nov-2003	3124306	01-Aug-2006
FEDERAL	Federal Cartridge Company	78/332026	24-Nov-2003	3199337	16-Jan-2007
FEDERAL & Duck Design 	Federal Cartridge Company	72/330266	17-Jun-1969	0908894	02-Mar-1971
FEDERAL HI-POWER MONARK SHOT SHELLS	Federal Cartridge Company	78/933119	19-Jul-2006	3244815	22-May-2007
FEDERAL PREMIUM	Federal Cartridge Company	75/707288	17-May-1999	2359927	20-Jun-2000
FEDERAL PREMIUM	Federal Cartridge Company	78/976493	15-Jan-2004	3030760	13-Dec-2005





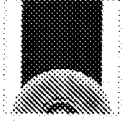

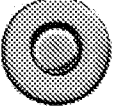
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FEDERAL PREMIUM AMMUNITION BLACKCLOUD FS STEEL and Package Design (Color) 	Alliant Techsystems Inc.	77/070608	22-Dec-2006	3513153	07-Oct-2008
FEDERAL PREMIUM AMMUNITION with Shockwave Design 	Federal Cartridge Company	78/715407	19-Sep-2005	3357380	18-Dec-2007
FEDERAL PREMIUM AMMUNITION with Shockwave Design 	Federal Cartridge Company	77/368438	10-Jan-2008	3574927	17-Feb-2009
FEDERAL PREMIUM HEADSTAMP Logo (Color) 	Alliant Techsystems Inc.	78/462388	05-Aug-2004	3225603	03-Apr-2007
FEDERAL PREMIUM HEADSTAMP Logo (Color) 	Alliant Techsystems Inc.	78/462386	05-Aug-2004	3177933	28-Nov-2006
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 & Design (Color) 	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



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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 & Design 	Alliant Techsystems Inc.	77/092299	26-Jan-2007	3631945	02-Jun-2009
FORCE ON FORCE & Design 	Alliant Techsystems Inc.	77/092300	26-Jan-2007	3627536	26-May-2009
FORCE ON FORCE & Design 	Alliant Techsystems Inc.	77/092296	26-Jan-2007	3631944	02-Jun-2009
FS STEEL	Alliant Techsystems Inc.	77/070601	22-Dec-2006	3454515	24-Jun-2008
FS STEEL & Design (Color) 	Alliant Techsystems Inc.	77/070614	22-Dec-2006	3427636	13-May-2008
FUSION	Federal Cartridge Company	78/486560	20-Sep-2004	3146532	19-Sep-2006
FUSION	Federal Cartridge Company	77/283855	19-Sep-2007	3452727	24-Jun-2008
FUSION LITE	Federal Cartridge Company	77/054060	30-Nov-2006	3524712	28-Oct-2008
FUSION Packaging Design (Color) 	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



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GAMEPOINT & Design (Color) 	Alliant Techsystems Inc.	78/462377	05-Aug-2004	3008782	25-Oct-2005
GAMEPOINT & Design (Color) 	Alliant Techsystems Inc.	78/462383	05-Aug-2004	3011126	01-Nov-2005
GAMEPOINT & Design (Color) 	Alliant Techsystems Inc.	78/462376	05-Aug-2004	3144240	19-Sep-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 MATCH	Alliant Techsystems Inc.	78/357665	26-Jan-2004	3113646	11-Jul-2006
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
GOLD MEDAL	Federal Cartridge Company	73/235671	18-Oct-1979	1155509	26-May-1981
GOLD MEDAL (Stylized) <i>Gold Medal</i>	Federal Cartridge Company	74/319397	02-Oct-1992	1909268	01-Aug-1995
GOLF-BUOY	Alliant Techsystems Inc.	73/416897	11-Mar-1983	1277037	08-May-1984
GORILLA RANGE BAG	Alliant Techsystems Inc.	77/679223	26-Feb-2009	3776884	20-Apr-2010
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
GRAND SLAM	Alliant Techsystems Inc.	77/633239	15-Dec-2008	3657231	21-Jul-2009
GREEN DOT	Alliant Techsystems Inc.	72/224742	02-Aug-1965	0816827	18-Oct-1966

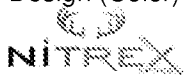


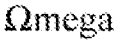
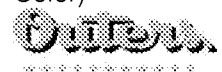
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GREEN TAG	Alliant Techsystems Inc.	73/833278	23-Oct-1989	1624729	27-Nov-1990
GUN SPIKE	Alliant Techsystems Inc.	78/331999	24-Nov-2003	2974210	19-Jul-2005
GUN-DRI	Alliant Techsystems Inc.	78/431799	08-Jun-2004	3146416	19-Sep-2006
GUN-FLUSH	Alliant Techsystems 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	0699543	14-Jun-1960
GUNSLICK	Alliant Techsystems Inc.	72/098022	27-May-1960	0714735	02-May-1961
GUNSLICK	Alliant Techsystems Inc.	72/098021	27-May-1960	0714592	02-May-1961
GUNSLICK	Alliant Techsystems Inc.	72/098023	27-May-1960	0713048	28-Mar-1961
GUNSLICK (Stylized) 	Alliant Techsystems Inc.	78/456442	26-Jul-2004	3136740	29-Aug-2006
GUNSLICK (Stylized) 	Alliant Techsystems Inc.	78/456437	26-Jul-2004	3133973	22-Aug-2006
GUNSLICK (Stylized) 	Alliant Techsystems Inc.	78/456435	26-Jul-2004	3169538	07-Nov-2006
GUNSLICK (Stylized) 	Alliant Techsystems Inc.	78/456440	26-Jul-2004	3169539	07-Nov-2006
GUNSLICK (Stylized) (Color) 	Alliant Techsystems Inc.	78/456396	26-Jul-2004	3136739	29-Aug-2006

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GUNSLICK (Stylized) (Color) 	Alliant Techsystems Inc.	78/456398	26-Jul-2004	3130820	15-Aug-2006
GUNSLICK (Stylized) (Color) 	Alliant Techsystems Inc.	78/456394	26-Jul-2004	3259153	03-Jul-2007
GUNSLICK (Stylized) (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.	78/350084	09-Jan-2004	3086234	25-Apr-2006
Half Stamp Logo & Design 	Alliant Techsystems Inc.	78/350077	09-Jan-2004	2985151	16-Aug-2005
Headstamp Logo (Color) 	Alliant Techsystems Inc.	78/462391	05-Aug-2004	3169562	07-Nov-2006
HEAVY FIELD LOAD	Federal Cartridge Company	78/464760	10-Aug-2004	3060041	21-Feb-2006
HEAVYWEIGHT	Federal Cartridge Company	78/452494	19-Jul-2004	3424052	06-May-2008
HELLSTORM	Alliant Techsystems Inc.	76/379980	07-Mar-2002	2773126	14-Oct-2003

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HELLSTORM PROTECTIVE GLOVES AND GEAR 	Alliant Techsystems Inc.	78/548484	17-Jan-2005	3225687	03-Apr-2007
HERCO	Alliant Techsystems Inc.	71/238655	15-Oct-1926	0225253	15-Mar-1927
HI POWER MONARK	Federal Cartridge Company	78/933116	19-Jul-2006	3244813	22-May-2007
HI-BRASS	Federal Cartridge Company	78/816683	03-Aug-1989	1596295	15-May-1990
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	0765673	25-Feb-1964
HI-SHOK	Alliant Techsystems Inc.	72/321207	10-Mar-1969	0891883	02-Jun-1970
HONOR AS A WAY OF LIFE	Alliant Techsystems Inc.	78/618598	28-Apr-2005	3129095	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.	78/618614	28-Apr-2005	3129097	15-Aug-2006
HONOR AS A WAY OF LIFE	Alliant Techsystems Inc.	78/618622	28-Apr-2005	3129098	15-Aug-2006
HONOR AS A WAY OF LIFE	Alliant Techsystems Inc.	78/618608	28-Apr-2005	3437728	27-May-2008
HOT-COR	Alliant Techsystems Inc.	78/224157	11-Mar-2003	2853645	15-Jun-2004
HOT-CORE & Design 	Alliant Techsystems Inc.	78/224195	11-Mar-2003	2857960	29-Jun-2004
HUNTERS FOR CONSERVATION	Federal Cartridge Company	74/099719	24-Sep-1990	1697216	26-Jul-2005
HYDRA-SHOK	Alliant Techsystems Inc.	73/827192	25-Sep-1989	1594112	01-May-1990

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HYDRASTORM HYDRATION SYSTEMS & Design 	Alliant Techsystems Inc.	78/548474	17-Jan-2005	3116344	18-Jul-2006
HYDRASTORM HYDRATION SYSTEMS & Design 	Alliant Techsystems Inc.	78/864471	19-Apr-2006	3232945	24-Apr-2007
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 & Design 	Alliant Techsystems Inc.	77/904940	05-Jan-2009	3828172	03-Aug-2010
KICM	Alliant Techsystems Inc.	78/286411	12-Aug-2003	3024414	06-Dec-2005
KNOCK KNOCK	Alliant Techsystems Inc.	78/847649	28-Mar-2006	3246875	29-May-2007
KNOCKDOWN POWER	Federal Cartridge Company	75/684647	16-Apr-1999	2420247	09-Jan-2001
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

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LOW RECOIL & Design 	Federal Cartridge Company	78/330306	19-Nov-2003	2995934	13-Sept-2005
LUBE-A-MATIC	Alliant Techsystems Inc.	73/045235	26-Feb-1975	1034650	02-Mar-1976
MAG SHOK	Alliant Techsystems Inc.	78/218042	24-Feb-2003	3163337	24-Oct-2006
MAR-CIRAS	Eagle Industries Unlimited, Inc.	77/071937	27-Dec-2006	3338232	20-Nov-2007
MASTERS OF DEFENSE	Alliant Techsystems Inc.	78/439897	23-Jun-2004	2970714	19-Jul-2005
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
MICRO CRAFT	Alliant Techsystems Inc.	73/479984	11-May-1984	1355807	20-Aug-1985
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 & Design (Color) 	Alliant Techsystems Inc.	78/440469	24-Jun-2004	3049139	24-Jan-2006
MONARK	Federal Cartridge Company	78/933112	19-Jul-2006	3244812	22-May-2007
MULTI-PURPOSE	Federal Cartridge Company	75/022160	20-Nov-1995	2045204	11-Mar-1997
NDEVIEWER	Alliant Techsystems Inc.	75/852091	17-Nov-1999	2619087	10-Sep-2002
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
NITREX	Alliant Techsystems Inc.	77/141162	27-Mar-2007	3664109	04-Aug-2009






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NITREX OPTICS & Design (Color) 	Alliant Techsystems Inc.	77/158851	17-Apr-2007	3599118	31-Mar-2009
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
NYCLAD (Stylized) 	Federal Cartridge Company	73/826951	22-Sep-1989	1594111	01-May-1990
NYTANEON	Alliant Techsystems Inc.	75/842837	06-Nov-1999	2545817	12-Mar-2002
O & DESIGN 	Alliant Techsystems Inc.	73/276900	08-Sep-1980	1189479	09-Feb-1982
O & DESIGN 	Alliant Techsystems Inc.	73/276937	08-Sep-1980	1172163	06-Oct-1981
OMEGA	Alliant Techsystems Inc.	75/051462	31-Jan-1996	2068943	10-Jun-1997
OMEGA (Stylized) 	Alliant Techsystems Inc.	78/548487	17-Jan-2005	3214759	06-Mar-2007
ORBEX	Alliant Techsystems Inc.	73/278298	18-Sep-1980	1194957	11-May-1982
ORBEX	Alliant Techsystems Inc.	73/276843	08-Sep-1980	1226681	08-Feb-1983
ORBEX	Alliant Techsystems Inc.	73/276942	08-Sep-1980	1195816	18-May-1982
ORBEX	Alliant Techsystems Inc.	73/276903	08-Sep-1980	1189222	09-Feb-1982
OUTERS	Alliant Techsystems Inc.	73/804844	05-Jun-1989	1632806	29-Jan-1991
OUTERS (Stylized - Color) 	Alliant Techsystems Inc.	77/017485	10-Oct-2006	3229041	17-Apr-2007








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OUTERS (Stylized - Color) 	Alliant Techsystems Inc.	77/017480	10-Oct-2006	3278559	14-Aug-2007
OUTERS (Stylized - Color) 	Alliant Techsystems Inc.	77/017478	10-Oct-2006	3278558	14-Aug-2007
OUTERS (Stylized - Color) 	Alliant Techsystems Inc.	77/017466	10-Oct-2006	3229040	17-Apr-2007
OUTERS (Stylized - Color) 	Alliant Techsystems Inc.	77/017462	10-Oct-2006	3621341	19-May-2009
OUTERS (Stylized - Color) 	Alliant Techsystems Inc.	77/017490	10-Oct-2006	3229042	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 (Stylized - Color) 	Alliant Techsystems Inc.	78/355524	22-Jan-2004	2994468	13-Sep-2005
PERFORMANCE RULES!	Alliant Techsystems Inc.	78/419673	17-May-2004	3128677	15-Aug-2006
PERFORMANCE RULES!	Alliant Techsystems Inc.	78/618630	28-Apr-2005	3232468	24-Apr-2007
PERFORMANCE RULES!	Alliant Techsystems Inc.	78/618643	28-Apr-2005	3232469	24-Apr-2007
PERSONAL DEFENSE	Federal Cartridge Company	75/200915	20-Nov-1996	2112332	11-Nov-1997
PERSONAL DEFENSE	Federal Cartridge Company	77/285826	21-Sep-2007	3435322	27-May-2008
PLINKER	Alliant Techsystems Inc.	72/116929	31-Mar-1961	0726419	16-Jan-1962
POWER PISTOL (Stylized) 	Alliant Techsystems Inc.	74/731662	20-Sep-1995	2079998	15-Jul-1997

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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
PRECESION TUNED	Alliant Techsystems Inc.	78/486043	20-Sep-2004	3128217	08-Aug-2006
PRECISIONEERED	Alliant Techsystems Inc.	73/488051	02-Jul-1984	1368571	05-Nov-1985
PREMIUM	Federal Cartridge Company	75/716522	24-May-1999	2401652	07-Nov-2000
PREMIUM	Federal Cartridge Company	75/089284	16-Apr-1996	2047681	25-Mar-1997
PREMIUM	Federal Cartridge Company	78/332029	24-Nov-2003	3209544	13-Feb-2007
PREMIUM	Federal Cartridge Company	78/332019	24-Nov-2003	3114907	11-Jul-2006
PREMIUM (Stylized) <i>Premium</i>	Federal Cartridge Company	73/200036	15-Jan-1979	1298731	02-Oct-1984
PREMIUM PARTNERS	Alliant Techsystems Inc.	78/549406	18-Jan-2005	3370224	15-Jan-2008
PREMIUM PARTNERS	Alliant Techsystems Inc.	78/549408	18-Jan-2005	3163812	24-Oct-2006
PREMIUM PARTNERS	Alliant Techsystems Inc.	78/549411	18-Jan-2005	3262262	10-Jul-2007
PREMIUM PARTNERS	Alliant Techsystems Inc.	78/549410	18-Jan-2005	3175140	21-Nov-2006
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
RAM-LINE	Alliant Techsystems Inc.	73/488908	09-Jul-1984	1346021	02-Jul-1985
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.	78/272013	09-Jul-2003	2988933	30-Aug-2005

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RCBS	Alliant Techsystems Inc.	78/272016	09-Jul-2003	2984983	16-Aug-2005
RCBS	Alliant Techsystems Inc.	78/272019	09-Jul-2003	2994209	13-Sep-2005
RCBS	Alliant Techsystems Inc.	78/272027	09-Jul-2003	2910629	14-Dec-2004
RCBS PROCENTER	Alliant Techsystems Inc.	78/421226	19-May-2004	3163529	24-Oct-2006
RCBS PROCENTER ALLIANT POWDER CCI SPEER FEDERAL Logo (Color) 	Alliant Techsystems Inc.	78/422096	20-May-2004	3133909	22-Aug-2006
RCBS PROCENTER Logo (Color) 	Alliant Techsystems Inc.	78/421225	19-May-2004	3163528	24-Oct-2006
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
REMOVING ANY SHADOW OF DOUBT	Alliant Techsystems Inc.	78/519027	18-Nov-2004	3102111	06-Jun-2006
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
ROCK MOUNT	Alliant Techsystems Inc.	78/329822	19-Nov-2003	3114905	11-Jul-2006
ROCK STEADY	Alliant Techsystems Inc.	78/322165	03-Nov-2003	3030244	13-Dec-2005
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

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S.T.R.I.K.E.	Alliant Techsystems Inc.	78/548468	17-Jan-2005	3122850	01-Aug-2006
SAIL-BUOY	Alliant Techsystems Inc.	73/341685	14-Dec-1981	1242126	14-Jun-1983
SASQUATCH	Alliant Techsystems Inc.	77/594931	17-Oct-2008	3747601	09-Feb-2010
SCORE KEEPER	Alliant Techsystems Inc.	73/729519	17-May-1988	1521117	17-Jan-1989
SERPA	Alliant Techsystems Inc.	78/829678	06-Mar-2006	3195367	02-Jan-2007
SHOCK WAVE	Alliant Techsystems Inc.	78/804535	01-Feb-2006	3616085	05-May-2009
Shockwave Logo 	Federal Cartridge Company	78/313162	14-Oct-2003	3012085	01-Nov-2005
Shockwave Logo 	Federal Cartridge Company	78/313169	14-Oct-2003	3024476	06-Dec-2005
Shockwave Logo 	Federal Cartridge Company	78/715403	19-Sep-2005	3345514	27-Nov-2007
Shockwave Logo 	Federal Cartridge Company	78/976464	14-Oct-2003	3178657	28-Nov-2006
Shockwave Logo 	Federal Cartridge Company	77/292506	01-Oct-2007	3435638	27-May-2008
SHOOTERS RIDGE	Alliant Techsystems Inc.	78/332198	24-Nov-2003	2994331	13-Sep-2005
SHOOTERS RIDGE	Alliant Techsystems Inc.	78/602780	06-Apr-2005	3204512	30-Jan-2007
SHOOTERS RIDGE	Alliant Techsystems Inc.	78/839034	16-Mar-2006	3142284	12-Sep-2006
SHOOTERS RIDGE	Alliant Techsystems Inc.	78/838998	16-Mar-2006	3145628	19-Sep-2006
SHOOTERS RIDGE	Alliant Techsystems Inc.	78/839027	16-Mar-2006	3215372	06-Mar-2007

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SHOOTERS RIDGE	Alliant Techsystems Inc.	78/839031	16-Mar-2006	3142283	12-Sep-2006
SHOOTERS RIDGE	Alliant Techsystems Inc.	78/839038	16-Mar-2006	3249216	05-Jun-2007
SHOOTERS RIDGE	Alliant Techsystems Inc.	77/241791	30-Jul-2007	3603406	07-Apr-2009
SHOOTERS RIDGE & Design (Black and White) 	Alliant Techsystems Inc.	78/357425	26-Jan-2004	3077503	04-Apr-2006
SHOOTERS RIDGE & Design (Black and White) 	Alliant Techsystems Inc.	78/839001	16-Mar-2006	3215370	06-Mar-2007
SHOOTERS RIDGE & Design (Black and White) 	Alliant Techsystems Inc.	78/839024	16-Mar-2006	3212895	27-Feb-2007
SHOOTERS RIDGE & Design (Black and White) 	Alliant Techsystems Inc.	77/241787	30-Jul-2007	3603405	07-Apr-2009
SHOOTERS RIDGE & Design (Color) 	Alliant Techsystems Inc.	78/357353	26-Jan-2004	3042608	10-Jan-2006

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SHOOTERS RIDGE & Design (Color) 	Alliant Techsystems Inc.	78/839018	16-Mar-2006	3217496	13-Mar-2007
SHOOTERS RIDGE & Design (Color) 	Alliant Techsystems Inc.	78/839006	16-Mar-2006	3217495	13-Mar-2007
SHOOTERS RIDGE & Design (Color) 	Alliant Techsystems Inc.	78/839022	16-Mar-2006	3215371	06-Mar-2007
SHOOTERS RIDGE & Design (Color) 	Alliant Techsystems Inc.	78/839011	16-Mar-2006	3249215	05-Jun-2007
SHORT BARREL	Alliant Techsystems Inc.	78/516759	15-Nov-2004	3072298	21-Mar-2006
SHOTHELL REVOLUTION	Alliant Techsystems Inc.	78/786609	06-Jan-2006	3250922	12-Jun-2007
SHOTHELL REVOLUTION & Design (Color) 	Alliant Techsystems Inc.	78/786627	06-Jan-2006	3250923	12-Jun-2007
SKYBIRD	Alliant Techsystems Inc.	78/331431	21-Nov-2003	3002755	27-Sep-2005
SLING LOK	Alliant Techsystems Inc.	78/332050	24-Nov-2003	3113224	04-Jul-2006
SNAP-N-PULL	Alliant Techsystems Inc.	77/059931	08-Dec-2006	3454472	24-Jun-2008
SPEED SHOK	Alliant Techsystems Inc.	78/218070	24-Feb-2003	2919890	18-Jan-2005

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SPEER	Alliant Techsystems Inc.	73/135772	29-Jul-1977	1101411	05-Sep-1978
SPEER BULLETS EST. 1943 & Design (Color) 	Alliant Techsystems Inc.	77/272686	06-Sep-2007	3522027	21-Oct-2008
S SPEER LE (S- Design Logo) 	Alliant Techsystems Inc.	78/713848	15-Sep-2005	3370379	15-Jan-2008
SPIN-OFF	Alliant Techsystems Inc.	78/663791	08-Jul-2005	3238266	01-May-2007
SST	Alliant Techsystems Inc.	78/418175	13-May-2004	3112769	04-Jul-2006
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
STEADY RAX	Alliant Techsystems Inc.	78/322438	03-Nov-2003	2980846	02-Aug-2005
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
STORMCHASERS NETWORK	Alliant Techsystems Inc.	77/840394	02-Oct-2009	3774813	13-Apr-2010
STRUT SHOK	Alliant Techsystems Inc.	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	Federal Cartridge Company	75/931196	29-Feb-2000	2575149	04-Jun-2002
SUPER SPORT	Alliant Techsystems Inc.	78/418169	13-May-2004	3022068	29-Nov-2005
TACTICAL	Federal Cartridge Company	74/680859	30-May-1995	2091808	26-Aug-1997
TAKE YOUR THIRST BY STORM	Alliant Techsystems Inc.	78/625222	09-May-2005	3119827	25-Jul-2006
TECHNICALLY SUPERIOR BY DESIGN	Alliant Techsystems Inc.	75/505575	19-Jun-1998	2683928	04-Feb-2003

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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 LEADER IN RIMFIRE AMMUNITION	Alliant Techsystems Inc.	78/406946	23-Apr-2004	3072262	21-Mar-2006
THE LEADER IN RIMFIRE AMMUNITION	Alliant Techsystems Inc.	78/406948	23-Apr-2004	3088901	02-May-2006
THE WORLD'S FINEST TACTICAL GEAR	Alliant Techsystems Inc.	78/873279	01-May-2006	3209132	13-Feb-2007
THIOKOL	Alliant Techsystems Inc.	72/009306	29-May-1956	0654307	12-Nov-1957
THIOKOL	Alliant Techsystems Inc.	72/061136	22-Oct-1958	0678853	19-May-1959
TIP-OFF 	Alliant Techsystems Inc.	72/153042	12-Sep-1962	0754116	06-Aug-1963
TMJ	Alliant Techsystems Inc.	73/833272	23-Oct-1989	1600687	12-Jun-1990
TNT	Alliant Techsystems Inc.	75/940859	09-Mar-2000	2475437	07-Aug-2001
TNT	Alliant Techsystems Inc.	77/233635	19-Jul-2007	3578533	24-Feb-2009
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
TOP GUN (Stylized) <b>TOP GUN</b>	Federal Cartridge Company	73/816672	03-Aug-1989	1645931	28-May-1991
TOXIC-METAL FREE	Federal Cartridge Company	75/027144	04-Dec-1995	2018517	19-Nov-1996
TR ONE	Alliant Techsystems Inc.	77/181055	15-May-2007	3513390	07-Oct-2008
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	0920023	14-Sep-1971
TRIPLE-SHOCK	Alliant Techsystems Inc.	78/744703	01-Nov-2005	3369232	15-Jan-2008



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TRUBALL	Federal Cartridge Company	78/452570	19-Jul-2004	3115116	11-Jul-2006
TRUBALL SYSTEM & Design (Color) 	Federal Cartridge Company	78/555268	27-Jan-2005	3442272	03-Jun-2008
TRUCOAT	Alliant Techsystems Inc.	77/221149	03-Jul-2007	3705844	03-Nov-2009
UC (Stylized) 	Alliant Techsystems Inc.	74/363605	26-Feb-1993	1812059	21-Dec-1993
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	0099306	25-Aug-1914
URBAN WARRIOR	Blackhawk Industries Product Group Unlimited, LLC	76/535432	25-Jul-2003	2983668	09-Aug-2005
V & Design (Color) 	Alliant Techsystems Inc.	78/818963	20-Feb-2006	3473867	22-Jul-2008
V & Design (Color) (CCI Packaging Design) 	Alliant Techsystems Inc.	78/818959	20-Feb-2006	3309513	09-Oct-2007
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









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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
WARRIOR WEAR	Alliant Techsystems Inc.	78/676029	22-Jul-2005	3266079	17-Jul-2007
WEAVER (Stylized) 	Alliant Techsystems Inc.	72/153039	12-Sep-1962	0757281	24-Sep-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.	77/671684	17-Feb-2009	3804206	15-Jun-2010
WEAVER (Stylized) 	Alliant Techsystems Inc.	72/153036	12-Sep-1962	0755453	27-Aug-1963
WEAVER CLASSIC	Alliant Techsystems Inc.	75/758698	23-Jul-1999	2413218	12-Dec-2000
WEAVER SCOPE & Design 	Alliant Techsystems Inc.	72/153038	12-Sep-1962	0754114	06-Aug-1963
Wheel Design 	Alliant Techsystems Inc.	75/563730	05-Oct-1998	2669449	31-Dec-2002
WILD WEB	Alliant Techsystems Inc.	77/221991	03-Jul-2007	3603341	07-Apr-2009


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WILDFIRE WARRIOR	Alliant Techsystems Inc.	76/605391	02-Aug-2004	3292547	18-Sep-2007
WING SHOK	Alliant Techsystems Inc.	78/218052	24-Feb-2003	2921576	25-Jan-2005
WW & Design 	Alliant Techsystems Inc.	78/811053	09-Feb-2006	3183826	12-Dec-2006
WW & Design 	Alliant Techsystems Inc.	78/844618	23-Mar-2006	3222203	27-Mar-2007
WW BLACKHAWK! WARRIOR WEAR & Design 	Alliant Techsystems Inc.	78/844709	23-Mar-2006	3249218	05-Jun-2007
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

### U.S. Pending Trademarks

Trademark Name	Owner	Application Number	File Date
BLACK DOT	Alliant Techsystems Inc.	77/747271	29-May-2009
BLACKHAWK!	Alliant Techsystems Inc.	77/918108	22-Jan-2010
BLACKHAWK!	Alliant Techsystems Inc.	77/918153	22-Jan-2010
BLACKHAWK! WARRIOR WEAR	Alliant Techsystems Inc.	78/676018	22-Jul-2005
CHAMPION	Alliant Techsystems Inc.	77/017032	09-Oct-2006
CHAMPION & Design (Color) 	Alliant Techsystems Inc.	77/021188	13-Oct-2006
CHAMPION & Design (Color) 	Alliant Techsystems Inc.	77/021190	13-Oct-2006

Trademark Name	Owner	Application Number	File Date
DEEPCURL	Alliant Techsystems Inc.	77/851472	19-Oct-2009
EXTRA-LITE	Alliant Techsystems Inc.	77/797253	05-Aug-2009
EXTREME SHOK	Alliant Techsystems Inc.	85/020699	22-Apr-2010
FEDERAL PREMIUM AMMUNITION PRAIRIE STORM	Alliant Techsystems Inc.	77/882603	30-Nov-2009
FEDERAL PREMIUM AMMUNITION PRAIRIE STORM & Design 	Alliant Techsystems Inc.	77/882599	30-Nov-2009
FORCE ON FORCE & Design 	Alliant Techsystems Inc.	77/092291	26-Jan-2007
GEARHOG	Alliant Techsystems Inc.	77/854153	21-Oct-2009
GUARD DOG	Alliant Techsystems Inc.	85/095957	29-Jul-2010
H2STORE	Alliant Techsystems Inc.	77/533414	29-Jul-2008
HYSPIKE	Alliant Techsystems Inc.	77/463901	02-May-2008
MONKEY BAG	Alliant Techsystems Inc.	77/530362	24-Jul-2008
NITREX	Alliant Techsystems Inc.	77/590522	10-Oct-2008
NITREX OPTICS (& Design) 	Alliant Techsystems Inc.	77/590527	10-Oct-2008
OMEGA ELITE (Stylized) <i>Omega Elite</i>	Alliant Techsystems Inc.	78/548473	17-Jan-2005
PRAIRIE STORM	Alliant Techsystems Inc.	77/853511	21-Oct-2009
R.A.S.S.	Alliant Techsystems Inc.	77/141126	27-Mar-2007
SECAS	Alliant Techsystems Inc.	77/926715	03-Feb-2010
SHORT BARREL	Alliant Techsystems Inc.	77/921059	27-Jan-2010
SPORTSTER	Alliant Techsystems Inc.	85/079164	07-Jul-2010

Trademark Name	Owner	Application Number	File Date
SPORTSTER	Alliant Techsystems Inc.	85/079168	07-Jul-2010
SPORTSTER	Alliant Techsystems Inc.	85/079171	07-Jul-2010
SUPER SLAM	Alliant Techsystems Inc.	77/542597	08-Aug-2008
WARRIOR WEAR	Alliant Techsystems Inc.	78/676037	22-Jul-2005
WEAVER	Alliant Techsystems Inc.	85/083022	13-Jul-2010
WEAVER	Alliant Techsystems Inc.	85/083021	13-Jul-2010
WEAVER	Alliant Techsystems Inc.	85/082314	12-Jul-2010
WEAVER – (Green Logo) 	Alliant Techsystems Inc.	85/083020	13-Jul-2010
WEAVER – (Green Logo) 	Alliant Techsystems Inc.	85/083019	13-Jul-2010
WEAVER – (Green Logo) 	Alliant Techsystems Inc.	77/671682	17-Feb-2009
WEAVER – (Green Logo) 	Alliant Techsystems Inc.	85/116687	26-Aug-2010
WEAVER – (Tactical) 	Alliant Techsystems Inc.	77/673143	18-Feb-2009
WEAVER – (Tactical) 	Alliant Techsystems Inc.	77/673149	18-Feb-2009
WEAVER – (Tactical) 	Alliant Techsystems Inc.	85/116648	26-Aug-2010
FEDERAL AMMUNITION CHAMPION 	Alliant Techsystems Inc.	85/110052	18-Aug-2010

Trademark Name	Owner	Application Number	File Date
WW BLACKHAWK! WARRIOR WEAR & Design 	Alliant Techsystems Inc.	78/845095	24-Mar-2006
GET YOUR DRINK ON	Eagle Industries Unlimited, Inc.	77/659374	29-Jan-2009
WATERPOINT	Eagle Industries Unlimited, Inc.	77/659426	29-Jan-2009
BOLT	Eagle Industries Unlimited, Inc.	77/790367	27-Jul-2009

Schedule C  
COPYRIGHTS

Copyright Name	Country	Registration Number	Registration Date	Claimant
AT A MOMENTS NOTICE	US	VA-1-209-164	07-Aug-2003	ATK Aerospace Company, Inc.
ATHENA II	US	VA-1-209-166	07-Aug-2003	ATK Aerospace Company, Inc.
ATLAS WORKHORSE	US	VA-1-209-167	07-Aug-2003	ATK Aerospace Company, Inc.
BEACON IN THE NIGHT	US	VA-1-213-160	11-Aug-2003	ATK Aerospace Company, Inc.
COMET LIFT-OFF	US	VA-1-213-155	11-Aug-2003	ATK Aerospace Company, Inc.
DEFENDERS OF THE FLEET	US	VA-1-213-152	11-Aug-2003	ATK Aerospace Company, Inc.
EOLE AND A340	US	VA-1-213-150	11-Aug-2003	ATK Aerospace Company, Inc.
FALCONS IN THE FOLD	US	VA-1-213-158	11-Aug-2003	ATK Aerospace Company, Inc.
GLORY TRIP	US	VA-1-213-161	11-Aug-2003	ATK Aerospace Company, Inc.
HDM : COMPUTER PROGRAM FOR GENERATION OF FIBER PLACEMENT MACHINE CONTROL TABLES	US	TXu000766187	9-Oct-1997	Alliant Techsystems, Inc.
INTERNATIONAL SPACE STATION	US	VA-1-209-165	07-Aug-2003	ATK Aerospace Company, Inc.
KILLER SCOUTS	US	VA-1-213-157	11-Aug-2003	ATK Aerospace Company, Inc.
LUU-2B/B	US	VA-1-209-163	07-Aug-2003	ATK Aerospace Company, Inc.
MISSILE AWAY!	US	VA-305-448	05-Apr-1988	Morton Thiokol, Inc.
NEW ERA IN SPACE	US	VA-1-213-162	11-Aug-2003	ATK Aerospace Company, Inc.
NEW GENERATION	US	VA-1-213-153	11-Aug-2003	ATK Aerospace Company, Inc.
OFFLINE PROGRAMMING SYSTEM FOR FIBER PLACEMENT: A.K.A. HDM	US	TXu000766194	9-Oct-1997	Alliant Techsystems, Inc.
PARTNERS DEFENDING FREEDOM	US	VA-1-213-151	11-Aug-2003	ATK Aerospace Company, Inc.
PRIMER DROP TEST MODELING	US	TXu001661006	29-May-2008	Alliant Techsystems Inc.
REACHING FURTHER INTO THE UNKNOWN	US	VA-1-209-160	07-Aug-2003	ATK Aerospace Company, Inc.
RIDGE RUNNER	US	VA-1-228-346	11-Aug-2003	ATK Aerospace Company, Inc.
RISING STAR	US	VA-1-213-156	11-Aug-2003	ATK Aerospace Company, Inc.
SEPARATION COMPLETE	US	VA-1-213-154	11-Aug-2003	ATK Aerospace

Copyright Name	Country	Registration Number	Registration Date	Claimant
				Company, Inc.
SHIELD OF THE FLEET	US	VA-1-228-347	11-Aug-2003	ATK Aerospace Company, Inc.
SPACE STATION FREEDOM	US	VA-1-213-159	11-Aug-2003	ATK Aerospace Company, Inc.
SPECIAL DELIVERY	US	VA-1-213-165	11-Aug-2003	ATK Aerospace Company, Inc.
STING OF THE HORNET	US	VA-305-446	05-Apr-1988	Morton Thiokol, Inc.
STS-98/FLIGHT 5A	US	VA-1-209-162	07-Aug-2003	ATK Aerospace Company, Inc.
T PLUS 30 AND FLYING AGAIN	US	VA-305-447	05-Apr-1988	Morton Thiokol, Inc.
TANK KILLER	US	VA-299-159	05-Apr-1988	Morton Thiokol, Inc.
TAURUS LIFT-OFF	US	VA-1-213-149	11-Aug-2003	ATK Aerospace Company, Inc.
WEASELS IN THE WEEDS	US	VA-305-449	05-Apr-1988	Morton Thiokol, Inc.
WINNING THE WAR WHILE TRANSFORMING THE FORCE	US	VA-1-209-161	07-Aug-2003	ATK Aerospace Company, Inc.