

Form PTO-1594 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)

RECORDATION FORM COVER SHEET TRADEMARKS ONLY

U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Alliant Techeystems Inc. [] Individual(s) [] Association [] General Partnership [] Limited Partnership [X] Corporation-State [] Other Additional name(s) of conveying party(ies) attached? [X] Yes [] No

2. Name and Address of receiving party(ies) Name: Bank of America, N.A. Internal Address: Independence Center, 5th Floor Street Address: 101 North Tryon Street City: Charlotte State: NC Zip: 28255 [] Individual(s) citizenship [] Association [] General Partnership [] Limited Partnership [] Corporation-State [X] Other National Organization If assignee is not domiciled in the United States, a domestic representative designation is attached: [] Yes [] No (Designations must be a separate document from assignment) Additional name(s) & address(es) attached: [] Yes [X] No

3. Nature of conveyance: [] Assignment [] Merger [X] Security Agreement [] Change of Name [] Other Execution Date: March 31, 2004

4. Application number(s) or registration number(s): A. Trademark Application No.(s) SEE ATTACHED B. Trademark Registration No.(s) SEE ATTACHED Additional number(s) attached [X] Yes [] No

6. Total number of applications and registrations involved: 258

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Intellectual Property Docketing Internal Address: SHEARMAN & STERLING LLP Street Address: 599 Lexington Avenue City: New York State: NY Zip: 10022

7. Total fee (37 CFR 3.41) \$ 6465.00 [] Enclosed [X] Authorized to be charged to deposit account 8. If check is missing or otherwise insufficient, charge deposit account number: 50-0324 (Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Tamara L. Hrivnak Signature Date May 28, 2004 Name of Person Signing

Total number of pages including cover sheet, attachments, and document: 62

Mail documents to be recorded with required cover sheet information to: Commissioner of Patent & Trademarks, Box Assignments Washington, D.C. 20231

CH 6465.00 500324 75582008

Continuation of Trademark Recordation Form Cover Sheet

Continuation of Box 1:

2. Name of conveying party(ies):

Alliant Ammunition and Powder Company LLC

- Individual(s) Association
- General Partnership Limited Partnership
- Corporation-State
- Other Limited Liability Company

3. Name of conveying party(ies):

Alliant Ammunition Systems Company LLC

- Individual(s) Association
- General Partnership Limited Partnership
- Corporation-State
- Other Limited Liability Company

4. Name of conveying party(ies):

Alliant Holdings LLC

- Individual(s) Association
- General Partnership Limited Partnership
- Corporation-State
- Other Limited Liability Company

5. Name of conveying party(ies):

Alliant International Holdings Inc.

- Individual(s) Association
- General Partnership Limited Partnership
- Corporation-State

6. Name of conveying party(ies):

Alliant Lake City Small Caliber Ammunition Company LLC

- Individual(s) Association
- General Partnership Limited Partnership
- Corporation-State
- Other Limited Liability Company

7. Name of conveying party(ies):

Alliant Propulsion and Composites LLC

- Individual(s) Association
- General Partnership Limited Partnership
- Corporation-State
- Other Limited Liability Company

8. Name of conveying party(ies):

Alliant Southern Composites Company LLC

- Individual(s)
- Association
- General Partnership
- Limited Partnership
- Corporation-State
- Other Limited Liability Company

9. Name of conveying party(ies):

Ammunition Accessories Inc.

- Individual(s)
- Association
- General Partnership
- Limited Partnership
- Corporation-State

10. Name of conveying party(ies):

ATK Aerospace Company Inc.

- Individual(s)
- Association
- General Partnership
- Limited Partnership
- Corporation-State

11. Name of conveying party(ies):

ATK Ammunition and Related Products LLC

- Individual(s)
- Association
- General Partnership
- Limited Partnership
- Corporation-State
- Other Limited Liability Company

12. Name of conveying party(ies):

ATK Commercial Ammunition Company Inc.

- Individual(s)
- Association
- General Partnership
- Limited Partnership
- Corporation-State

13. Name of conveying party(ies):

ATK Elkton LLC

- Individual(s)
- Association
- General Partnership
- Limited Partnership
- Corporation-State
- Other Limited Liability Company

14. Name of conveying party(ies):

ATK International Sales Inc.

- Individual(s)
- Association
- General Partnership
- Limited Partnership
- Corporation-State

15. Name of conveying party(ies):

ATK Logistics and Technical Services LLC

- Individual(s) Association
- General Partnership Limited Partnership
- Corporation-State
- Other Limited Liability Company _____

16. Name of conveying party(ies):

ATK Missile Systems Company LLC

- Individual(s) Association
- General Partnership Limited Partnership
- Corporation-State
- Other Limited Liability Company _____

17. Name of conveying party(ies):

ATK Ordnance and Ground Systems LLC

- Individual(s) Association
- General Partnership Limited Partnership
- Corporation-State
- Other Limited Liability Company _____

18. Name of conveying party(ies):

ATK Precision Systems LLC

- Individual(s) Association
- General Partnership Limited Partnership
- Corporation-State
- Other Limited Liability Company _____

19. Name of conveying party(ies):

ATK Tactical Systems Company LLC

- Individual(s) Association
- General Partnership Limited Partnership
- Corporation-State
- Other Limited Liability Company _____

20. Name of conveying party(ies):

Composite Optics, Incorporated

- Individual(s) Association
- General Partnership Limited Partnership
- Corporation-State

21. Name of conveying party(ies):

Federal Cartridge Company

- Individual(s)
- Association
- General Partnership
- Limited Partnership
- Corporation-State

22. Name of conveying party(ies):

GASL, Inc.

- Individual(s)
- Association
- General Partnership
- Limited Partnership
- Corporation-State

23. Name of conveying party(ies):

Micro Craft Inc.

- Individual(s)
- Association
- General Partnership
- Limited Partnership
- Corporation-State

24. Name of conveying party(ies):

Mission Research Corporation

- Individual(s)
- Association
- General Partnership
- Limited Partnership
- Corporation-State

27. Name of conveying party(ies):

New River Energetics, Inc.

- Individual(s)
- Association
- General Partnership
- Limited Partnership
- Corporation-State

26. Name of conveying party(ies):

Thiokol Technologies International, Inc.

- Individual(s)
- Association
- General Partnership
- Limited Partnership
- Corporation-State

Continuation of Box 4:

ATK TRADEMARKS

No.	Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
1.	BULLS EYE	61,982 19070416	71-021,649 19060818	Alliant Techsystems Inc.	Renewed-09/17/1987
2.	SHARPSHOOTER	61,988 19070416	71-021,651 19060818	Alliant Techsystems Inc.	Renewed-11/02/1987
3.	"UNIQUE"	99,306 19140825	71-077,286 19140407	Alliant Techsystems Inc.	Renewed-08/22/1994
4.	GUNSLICK	323,141 19350402	71-357,453 19341024	Alliant Techsystems Inc.	Renewed-03/21/1995
5.	MIGHTY-LITE	2,428,446 20010213	71-554,221 20000229	Alliant Techsystems Inc	Registered
6.	MONARK	509,767 19490510	71-554,221 19480409	Federal Cartridge Company	Renewed-09/13/1989
7.	JON-E'	529,119 19500815	71-569,548 19481129	Alliant Techsystems Inc.	Renewed-02/01/2001
8.	JON-E'	1,066,296 19770524	73-088,744 19760528	Alliant Techsystems Inc.	Registered
9.	AMERICAN EAGLE	577,427 19530714	71-638,197 19521117	Federal Cartridge Company	Renewed-10/17/2003
10.	AMERICAN EAGLE DESIGN	595,057 19540914	71-657,271 19531202	Federal Cartridge Company	Renewed-08/02/1994
11.	THIOKOL	654,307 19571112	72-009,306 19560529	ATK Aerospace Company, Inc.	Renewed-03/25/1998
12.	BAR BUOY	679,813 19590609	72-056,753 19580807	Alliant Techsystems Inc.	Renewed-09/13/1999
13.	THIOKOL	678,853 19590519	72-061,136 19581022	ATK Aerospace Company, Inc.	Renewed-09/08/1980
14.	GUNSLICK	699,543 19600614	72-075,577 19590611	Alliant Techsystems Inc.	Renewed-09/08/2000
15.	GUNSLICK	714,592 19610502	72-098,021 19600527	Alliant Techsystems Inc.	Renewed-05/29/2001
16.	GUNSLICK	714,735 19610502	72-098,022 19600527	Alliant Techsystems Inc.	Renewed-04/14/2001
17.	GUNSLICK	713,048 19610328	72-098,023 19600527	Alliant Techsystems Inc.	Renewed-09/06/2001
18.	PERRINE	719,943 19610815	72-105,041 19600923	Alliant Techsystems Inc.	Renewed-07/29/2001
19.	PLINKER	726,419 19620116	72-116,929 19610331	Alliant Techsystems Inc.	Renewed-07/20/1982
20.	FEDERAL	729,938 19620417	72-121,373 19610605	Federal Cartridge Company	Renewed-07/29/2002
21.	PRECISIONEERED	776,018 19640901	72-151,081 19620813	Alliant Techsystems Inc.	Renewed-10/16/1984
22.	TIP-OFF	754,116 19630806	72-153,042 19620912	Alliant Techsystems Inc.	Renewed-12/12/2003
23.	HI-SHOK	765,673 19640225	72-160,415 19630109	Federal Cartridge Company	Renewed-01/24/1984

No.	Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
24.	FLEXADYNE	792,437 19650713	72-182,108 19631129	Alliant Techsystems Inc.	Renewed-09/12/1985
25.	AMERICAN EAGLE	781,203 19641208	72-182,715 19631210	Federal Cartridge Company	Renewed-12/08/1984
26.	N/A	782,263 19641229	72-182,716 19631210	Federal Cartridge Company	Renewed-12/25/1984
27.	AMERICAN EAGLE	783,485 19650119	72-182,717 19631210	Federal Cartridge Company	Renewed-03/26/1985
28.	AMERICAN EAGLE	808,747 19660524	72-221,809 19650623	Federal Cartridge Company	Renewed-02/13/1986
29.	AMERICAN EAGLE DESIGN	808,748 19660524	72-221,810 19650623	Federal Cartridge Company	Renewed-02/18/1986
30.	AMERICAN EAGLE	808,014 19660510	72-221,874 19650623	Federal Cartridge Company	Renewed-10/06/1986
31.	GREEN DOT	816,827 19661018	72-224,742 19650802	Alliant Techsystems Inc.	Renewed-02/03/1987
32.	RELODER	816,481 19661011	72-224,743 19650802	Alliant Techsystems Inc.	Renewed-01/28/1987
33.	RCBS	820,178 19661213	72-228,073 19650917	Alliant Techsystems Inc.	Renewed-04/16/1987
34.	CCI	831,313 19670704	72-229,496 19651007	Alliant Techsystems Inc.	Renewed-03/07/1988
35.	STRIPES DESIGN	840,725 19671219	72-239,033 19660217	Federal Cartridge Company	Renewed-03/07/1988
36.	HI-SHOK	891,883 19700602	72-321,207 19690310	Federal Cartridge Company	Renewed-07/20/2001
37.	N/A	907,400 19710209	72-330,264 19690617	Federal Cartridge Company	Renewed-12/11/2001
38.	FEDERAL	908,894 19710302	72-330,266 19690617	Federal Cartridge Company	Renewed-05/24/2001
39.	DUCK DESIGN	907,401 19710209	72-330,271 19690617	Federal Cartridge Company	Renewed-05/24/2001
40.	TRIPLE-PLUS	920,023 19710914	72-370,088 19700908	Federal Cartridge Company	Renewed 12/01/2001
41.	BLUE DOT	971,715 19731030	72-439,174 19721024	Alliant Techsystems Inc.	Renewed 01/07/2004
42.	LUBE-A-MATIC	1,034,650 19760302	73-045,235 19750226	Alliant Techsystems Inc.	Renewed 05/09/1996
43.	CHAMPION	1,054,411 19761214	73-086,683 19760510	Federal Cartridge Company	Renewed 11/14/1996
44.	SPEER	1,102,083 19780912	73-130,800 19770617	Alliant Techsystems Inc.	Renewed-09/03/1998
45.	SPEER	1,101,411 19780905	73-135,772 19770729	Alliant Techsystems Inc.	Renewed 08/06/1998
46.	NYCLAD	1,148,863 19810324	73-191,115 19781027	Federal Cartridge Company	Renewed 02/22/2001
47.	PREMIUM	1,298,731 19841002	73-200,036 19790115	Federal Cartridge Company	Registered
48.	GOLD MEDAL	1,155,509 19810526	73-235,671 19791018	Federal Cartridge Company	Renewed-05/03/2001

No.	Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
49.	ORBEX	1,226,681 19830208	73-276,843 19800908	Alliant Techsystems Inc.	Renewed-05/05/2003
50.	O	1,189,479 19820209	73-276,900 19800908	Alliant Techsystems Inc.	Renewed-12/12/2002
51.	ORBEX	1,189,222 19820209	73-276,903 19800908	Alliant Techsystems Inc.	Renewed-01/25/2003
52.	O	1,172,163 19811006	73-276,937 19800908	Alliant Techsystems Inc.	Renewed-01/27/2003
53.	ORBEX	1,195,816 19820518	73-276,942 19800908	Alliant Techsystems Inc.	Renewed-11/26/2002
54.	ORBEX	1,194,957 19820511	73-278,298 19800918	Alliant Techsystems Inc.	Renewed-03/01/2003
55.	CADDIE-BUOY	1,236,373 19830503	73-341,460 19811214	Alliant Techsystems Inc.	Renewed-07/14/2003
56.	DRINK-BUOY	1,249,869 19830830	73-341,461 19811214	Alliant Techsystems Inc.	Renewed-09/13/2003
57.	SAIL-BUOY	1,242,126 19830614	73-341,685 19811214	Alliant Techsystems Inc.	Renewed-09/13/2003
58.	BLAZER	1,232,643 19830329	73-346,687 19820122	Alliant Techsystems Inc.	Renewed-10/19/2002
59.	GREEN MACHINE	1,245,227 19830712	73-348,834 19820205	Alliant Techsystems Inc.	Registered
60.	BIKE-BUOY	1,253,801 19831011	73-370,104 19820617	Alliant Techsystems Inc.	Renewed-09/13/2003
61.	BANDIT	1,251,590 19830920	73-388,656 19820924	Alliant Techsystems Inc.	Registered
62.	GOLF-BUOY	1,277,037 19840508	73-416,897 19830311	Alliant Techsystems Inc.	Registered
63.	RED DOT	1,298,733 19841002	73-439,459 19830815	Alliant Techsystems Inc.	Registered
64.	MICRO CRAFT	1,355,807 19850820	73-479,984 19840511	Micro Craft, Inc.	Registered
65.	PRECISIONEERED	1,368,571 19851105	73-488,051 19840702	Alliant Techsystems Inc.	Registered
66.	RAM-LINE	1,346,021 19850702	73-488,908 19840709	Alliant Techsystems Inc.	Registered
67.	POSI-PRIME	1,436,252 19870414	73-614,659 19860814	Alliant Techsystems Inc.	Registered
68.	BELT PAK	1,439,101 19870512	73-614,909 19860815	Alliant Techsystems Inc.	Registered
69.	AMMO CAN	1,437,237 19870421	73-615,038 19860815	Alliant Techsystems Inc.	Registered
70.	WEI	1,480,802 19880315	73-675,571 19870730	Alliant Techsystems Inc.	Registered
71.	VARMINTER	1,570,827 19891212	73-685,946 19870924	Alliant Techsystems Inc.	Renewed 02/03/2000
72.	SCORE KEEPER	1,521,117 19890117	73-729,519 19880517	Alliant Techsystems Inc.	Registered
73.	CLASSIC HI-BRASS	1,595,232 19900508	73-799,199 19890511	Federal Cartridge Company	Renewed 07/29/2000

No.	Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
74.	EXTRA-LITE	1,567,701 19891121	73-799,282 19890511	Federal Cartridge Company	Renewed 08/23/1999
75.	OUTERS	1,632,806 19910129	73-804,844 19890605	Alliant Techsystems Inc.	Renewed 04/14/2001
76.	TOP GUN	1,645,931 19910528	73-816,672 19890803	Federal Cartridge Company	Renewed 04/30/2001
77.	HI-BRASS	1,596,295 19900515	73-816,683 19890803	Federal Cartridge Company	Renewed 07/19/2000
78.	HI-POWER	1,607,415 19900724	73-826,026 19890918	Federal Cartridge Company	Renewed 05/16/2001
79.	AMERICAN EAGLE	1,600,686 19900612	73-826,420 19890919	Federal Cartridge Company	Renewed 08/24/2000
80.	NYCLAD	1,594,111 19900501	73-826,951 19890922	Federal Cartridge Company	Renewed 08/04/2000
81.	HYDRA-SHOK	1,594,112 19900501	73-827,192 19890925	Federal Cartridge Company	Renewed 08/23/2000
82.	TMJ	1,600,687 19900612	73-833,272 19891023	Alliant Techsystems Inc.	Renewed 09/26/2000
83.	MAXI MAG	1,600,688 19900612	73-833,273 19891023	Alliant Techsystems Inc.	Renewed 09/26/2000
84.	LAWMAN	1,768,573 19930504	73-833,277 19891023	Alliant Techsystems Inc.	Renewed 11/24/2002
85.	GREEN TAG	1,624,729 19901127	73-833,278 19891023	Alliant Techsystems Inc.	Renewed 04/07/2001
86.	STINGER	1,608,156 19900731	73-833,352 19891023	Alliant Techsystems Inc.	Renewed 01/27/2001
87.	HUNTERS FOR CONSERVATION	1,697,216 19920623	74-099,719 19900924	Federal Cartridge Company	Renewed-09/04/2002
88.	AMMOMASTER	1,690,080 19920602	74-107,890 19901022	Alliant Techsystems Inc.	Renewed-02/26/2003
89.	EAGLE DESIGN	1,673,392 19920128	74-124,723 19901217	Federal Cartridge Company	Renewed-01/15/2002
90.	AMERICAN EAGLE	1,671,071 19920107	74-130,306 19910114	Federal Cartridge Company	Renewed-01/15/2002
91.	PALM RIDER	1,788,868 19930817	74-250,298 19920227	Federal Cartridge Company	Registered
92.	GOLD MEDAL	1,909,268 19950801	74-319,397 19921002	Federal Cartridge Company	Registered
93.	GOLD MEDAL	1,820,567 19940208	74-319,717 19921005	Federal Cartridge Company	Renewed-01/28/2004
94.	PREMIUM SAFARI	1,778,868 19930629	74-326,416 19921029	Federal Cartridge Company	Renewed-09/25/2003
95.	AMERICAN SPORTER	1,826,448 19940315	74-335,989 19921202	Alliant Techsystems Inc.	Registered
96.	CASTOR 120	1,851,878 19940830	74-339,107 19921211	ATK Aerospace Company, Inc.	Registered
97.	CASTOR	1,851,879 19940830	74-339,378 19921211	ATK Aerospace Company, Inc.	Registered
98.	TACTICAL LOAD	1,980,333 19960618	74-340,096 19921214	Federal Cartridge Company	Registered

No.	Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
99.	UNI-COR	1,797,732 19931012	74-363,505 19930226	Alliant Techsystems Inc.	Renewed-09/17/2003
100.	GOLD DOT	1,898,839 19950613	74-363,507 19930226	Alliant Techsystems Inc.	Registered
101.	CLEAN-FIRE	1,825,074 19940308	74-363,518 19930226	Alliant Techsystems Inc.	Registered
102.	UC	1,812,059 19931221	74-363,605 19930226	Alliant Techsystems Inc.	Renewed-11/22/2003
103.	FLIGHT MASTER	1,894,659 19950516	74-422,519 19930806	Alliant Techsystems Inc.	Registered
104.	TRIM PRO	1,962,369 19960312	74-515,949 19940420	Alliant Techsystems Inc.	Registered
105.	CASE MASTER	1,885,925 19950328	74-516,109 19940420	Alliant Techsystems Inc.	Registered
106.	CASE SLICK	1,892,898 19950509	74-516,120 19940420	Alliant Techsystems Inc.	Registered
107.	POW'R PULL	1,888,379 19950411	74-516,123 19940420	Alliant Techsystems Inc.	Registered
108.	FEDERAL WING & CLAY	2,141,197 19980303	74-539,687 19940620	Federal Cartridge Company	Registered
109.	SUPPORT THE SHOOTING SPORTS	1,989,022 19960723	74-539,689 19940620	Federal Cartridge Company	Registered
110.	GOLD MEDAL ULTRA MATCH	1,963,786 19960326	74-555,011 19940729	Federal Cartridge Company	Registered
111.	LITHIUM	1,953,264 19960130	74-644,949 19950308	Alliant Techsystems Inc.	Registered
112.	TACTICAL	2,091,808 19970826	74-680,859 19950530	Federal Cartridge Company	Registered
113.	QWIK POINT	1,991,115 19960806	74-694,038 19950626	Alliant Techsystems Inc.	Registered
114.	NITREX	2,051,560 19970408	74-727,618 19950911	Alliant Techsystems Inc.	Registered
115.	2400	2,062,642 19970520	74-731,661 19950920	Alliant Techsystems Inc.	Registered
116.	POWER PISTOL	2,079,998 19970715	74-731,662 19950920	Alliant Techsystems Inc.	Registered
117.	ALLIANT POWDER	2,002,913 19960924	74-731,664 19950920	Alliant Techsystems Inc.	Registered
118.	APS	2,080,002 19970715	74-733,366 19950922	Alliant Techsystems Inc.	Registered
119.	MULTI-PURPOSE	2,045,204 19970311	75-022,160 19951120	Alliant Techsystems Inc.	Registered
120.	BALLISTICLEAN	2,012,000 19961029	75-027,145 19951204	Federal Cartridge Company	Registered
121.	EXTRA-LITE	2,017,887 19961119	75-043,088 19960116	Federal Cartridge Company	Registered
122.	AMERICAN SELECT	2,240,937 19990420	75-051,385 19960131	Alliant Techsystems Inc.	Registered
123.	NON TOXIC LEAD FREE	2,165,014 19980616	75-066,814 19960304	Federal Cartridge Company	Registered

No.	Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
124.	PREMIUM	2,047,681 19970325	75-089,284 19960416	Federal Cartridge Company	Registered
125.	OUTRIDER	2,240,979 19990420	75-132,893 19960711	Alliant Techsystems Inc.	Registered
126.	PERSONAL DEFENSE	2,112,332 19971111	75-200,915 19961120	Federal Cartridge Company	Registered
127.	FEDERAL PREMIUM SAFARI	2,125,468 19971230	75-212,225 19961212	Federal Cartridge Company	Registered
128.	SYN-TECH	2,196,472 19981013	75-223,112 19970108	Alliant Techsystems Inc.	Registered
129.	DVO	2,248,147 19990525	75-275,399 19970415	Alliant Techsystems Inc.	Registered
130.	ECOCHAFF	2,243,426 19990504	75-275,760 19970415	Alliant Techsystems Inc.	Registered
131.	STEEL	2,322,545 20000222	75-381,818 19971030	Alliant Techsystems Inc.	Registered
132.	RC-130	2,245,875 19990518	75-436,601 19980218	Alliant Techsystems Inc.	Registered
133.	HEAVY FIELD LOAD	2,235,542 19990323	75-443,609 19980303	Federal Cartridge Company	Registered
134.	HUNTERS FOR CONSERVATION	2,305,500 20000104	75-475,045 19980427	Federal Cartridge Company	Registered
135.	DIAL-A-SIZE	2,553,009 20020326	75-496,928 19980605	Alliant Techsystems Inc.	Registered
136.	ALLIANT POWDER TECHNICALLY SUP	2,375,888 20000808	75-505,287 19980619	Alliant Techsystems Inc.	Registered
137.	TECHNICALLY SUPERIOR BY DESIGN	2,683,928 20030204	75-505,575 19980619	Alliant Techsystems Inc.	Registered
138.	READY LAUNCH	2,493,032 20010925	75-546,842 19980902	Alliant Techsystems Inc.	Registered
139.	WHEEL DESIGN	2,669,449 20021231	75-563,730 19981005	Alliant Techsystems Inc.	Registered
140.	PROMO	2,360,820 20000620	75-574,681 19981021	Alliant Techsystems Inc.	Registered
141.	THIOKOL PROPULSION	N/A	75-582,008 19981103	ATK Aerospace Company, Inc.	Pending-ITU
142.	ROLL YOUR OWN	2,525,604 20020101	75-633,005 19990203	Alliant Techsystems Inc.	Registered
143.	ATK	2,782,133 20031111	75-640,985 19990216	Alliant Techsystems Inc.	Registered
144.	ALLIANT MEDIA	2,598,400 20020723	75-662,813 19990311	Alliant Techsystems Inc.	Registered
145.	ATK ALLIANT TECHSYSTEMS	2,779,766 20031104	75-675,705 19990326	Alliant Techsystems Inc.	Registered
146.	KNOCKDOWN POWER	2,420,247 20010109	75-684,647 19990416	Federal Cartridge Company	Registered
147.	DEEP-SHOK	2,472,138 20010724	75-684,648 19990416	Federal Cartridge Company	Registered
148.	THE LEAD EQUIVALENT	2,416,493 20001226	75-686,172 19990416	Federal Cartridge Company	Registered

No.	Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
149.	GOLD MEDAL	2,332,839 20000321	75-707,193 19990517	Federal Cartridge Company	Registered
150.	PERSONAL DEFENSE	2,411,530 20001205	75-707,287 19990517	Federal Cartridge Company	Registered
151.	FEDERAL PREMIUM	2,359,927 20000620	75-707,288 19990517	Federal Cartridge Company	Registered
152.	CLASSIC	2,401,619 20001107	75-707,290 19990517	Federal Cartridge Company	Registered
153.	FEDERAL CLASSIC	2,368,302 20000718	75-707,849 19990517	Federal Cartridge Company	Registered
154.	RHT	2,416,529 20001226	75-711,697 19990521	Alliant Techsystems Inc.	Registered
155.	VIRTUAL CELL	N/A	75-716,500 19990527	Alliant Techsystems Inc.	Pending-ITU
156.	PREMIUM	2,401,652 20001107	75-716,522 19990524	Federal Cartridge Company	Registered
157.	CASTCORE	2,545,317 20020305	75-757,183 19990722	Federal Cartridge Company	Registered
158.	NDEVIEWER	2,619,087 20020910	75-852,091 19991117	Alliant Techsystems Inc.	Registered
159.	PRO 2000	2,548,145 20020312	75-882,162 19991227	Alliant Techsystems Inc.	Registered
160.	THE POWER PATTERN SYSTEM	2,514,162 20011204	75-897,397 20000114	Federal Cartridge Company	Registered
161.	SPEER	2,501,004 20011023	75-921,690 20000217	Alliant Techsystems Inc.	Registered
162.	SUPER SPORT	2,575,149 20020604	75-931,196 20000229	Alliant Techsystems Inc	Registered
163.	HIGH VELOCITY 8 BALL BUCKSHOT	2,584,369 20020625	75-931,255 20000229	Alliant Techsystems Inc	Registered
164.	ESTATE CARTRIDGE BCI & DESIGN	2419305 20010109	75-931,431 20000229	Alliant Techsystems Inc	Registered
165.	ESTATE CARTRIDGE INC.	2419306 20010109	75-931,432 20000229	Alliant Techsystems Inc	Registered
166.	TNT	2,475,437 20010807	75-940,859 20000310	Alliant Techsystems Inc.	Registered
167.	IDAHO TERRITORY BULLETS	2,672,653 20030107	75-955,165 20000307	Alliant Techsystems Inc.	Registered
168.	X DIE	2,563,180 20020423	76-090,336 20000717	Alliant Techsystems Inc.	Registered
169.	GOLD DOT	2,512,419 20011127	76-169,278 20001121	Alliant Techsystems Inc.	Registered
170.	TRAILBLAZER	2,574,516 20020528	76-177,955 20001208	Alliant Techsystems Inc.	Registered
171.	COMPOSITE OPTICS, INCORPORATED	2,567,187 20020507	76-236,999 20010409	Composite Optics, Incorporated	Registered
172.	LL	2,644,346 20021029	76-282,205 20010709	Federal Cartridge Company	Registered
173.	PREMIUM	N/A	76-283,066 20010709	Federal Cartridge Company	Pending-ITU

No.	Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
174.	COI	2648892 20021112	76-294759 20010801	COI	Registered
175.	RELODER	2,778,346 20031028	76-310,844 20010910	Alliant Techsystems Inc.	Registered
176.	RELODER 10X	N/A	76-312,651 20010912	Alliant Techsystems Inc.	Pending-ITU
177.	RIMFIRE VELOCITOR AMMUNITION	2,720,888 20030603	76-389,940 20020402	Alliant Techsystems Inc.	Registered
178.	410	2,803,714 20040106	78-149,187 20020731	Alliant Techsystems Inc.	Registered
179.	OUTFITTER JOURNAL	2,805,988 20040113	78-172,011 20021008	Alliant Techsystems Inc.	Registered
180.	CAPE SHOK	N/A	78-218,021 20030224	Alliant Techsystems Inc.	Pending-ITU
181.	VITAL SHOK	N/A	78-218,028 20030224	Alliant Techsystems Inc.	Pending-ITU
182.	V SHOK	N/A	78-218,036 20030224	Alliant Techsystems Inc.	Pending-ITU
183.	MAG SHOK	N/A	78-218,042 20030224	Alliant Techsystems Inc.	Pending-ITU
184.	ULTRA SHOK	N/A	78-218,046 20030224	Alliant Techsystems Inc.	Pending-ITU
185.	WING SHOK	N/A	78-218,052 20030224	Alliant Techsystems Inc.	Pending-ITU
186.	POWER SHOK	N/A	78-218,058 20030224	Alliant Techsystems Inc.	Pending-ITU
187.	SPEED SHOK	N/A	78-218,070 20030224	Alliant Techsystems Inc.	Pending-ITU
188.	GAME SHOK	N/A	78-218,074 20030224	Alliant Techsystems Inc.	Pending-ITU
189.	HOT-COR	N/A	78-224,157 20030311	Alliant Techsystems Inc.	Pending
190.	HOT-COR	N/A	78-224,195 20030311	Alliant Techsystems Inc.	Pending
191.	EVADOR	N/A	78-252,977 20030522	Federal Cartridge Company	Pending-ITU
192.	RCBS	N/A	78-272,013 20030709	Alliant Techsystems Inc.	Pending
193.	RCBS	N/A	78-272,016 20030709	Alliant Techsystems Inc.	Pending
194.	RCBS	N/A	78-272,019 20030709	Alliant Techsystems Inc.	Pending
195.	RCBS	N/A	78-272,027 20030709	Alliant Techsystems Inc.	Pending
196.	KICM	N/A	78-286,411 20030812	Alliant Techsystems Inc.	Pending-ITU
197.	R2LP	N/A	78-293,294 20030828	Federal Cartridge Company	Pending-ITU
198.	N/A	N/A	78-313,114 20031014	Federal Cartridge Company	Pending-ITU

No.	Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
199.	N/A	N/A	78-313,162 20031014	Federal Cartridge Company	Pending-ITU
200.	N/A	N/A	78-313,169 20031014	Federal Cartridge Company	Pending-ITU
201.	ROCK STEADY	N/A	78-322,165 20031103	Alliant Techsystems Inc.	Pending-ITU
202.	STEADY RAX	N/A	78-322,438 20031103	Alliant Techsystems Inc.	Pending-ITU
203.	KNOCKDOWN POWER	N/A	78-324,312 20031106	Federal Cartridge Company	Pending-ITU
204.	ROCKMOUNT	N/A	78-329,822 20031119	Alliant Techsystems Inc.	Pending-ITU
205.	QUAD LOCK	N/A	78-329,826 20031119	Alliant Techsystems Inc.	Pending-ITU
206.	LOW RECOIL	N/A	78-330,306 20031119	Federal Cartridge Company	Pending-ITU
207.	VISI-SHOT	N/A	78-330,833 20031120	Alliant Techsystems Inc.	Pending-ITU
208.	HIGH FLY	N/A	78-331,428 20031121	Alliant Techsystems Inc.	Pending-ITU
209.	SKYBIRD	N/A	78-331,431 20031121	Alliant Techsystems Inc.	Pending-ITU
210.	MATCHBIRD	N/A	78-331,435 20031121	Alliant Techsystems Inc.	Pending-ITU
211.	STEADY POD	N/A	78-331,996 20031124	Alliant Techsystems Inc.	Pending-ITU
212.	STALK STICK	N/A	78-331,998 20031124	Alliant Techsystems Inc.	Pending-ITU
213.	GUN SPIKE	N/A	78-331,999 20031124	Alliant Techsystems Inc.	Pending-ITU
214.	FEDERAL	N/A	78-332,009 20031124	Federal Cartridge Company	Pending-ITU
215.	STEADY POINT	N/A	78-332,013 20031124	Alliant Techsystems Inc.	Pending-ITU
216.	PREMIUM	N/A	78-332,019 20031124	Federal Cartridge Company	Pending-ITU
217.	INDEPENDENCE	N/A	78-332,022 20031124	Federal Cartridge Company	Pending-ITU
218.	FEDERAL	N/A	78-332,026 20031124	Federal Cartridge Company	Pending-ITU
219.	PREMIUM	N/A	78-332,029 20031124	Federal Cartridge Company	Pending-ITU
220.	SLING LOK	N/A	78-332,050 20031124	Alliant Techsystems Inc.	Pending-ITU
221.	ZSHOOTERS RIDGE	N/A	78-332,198 20031124	Alliant Techsystems Inc.	Pending-ITU
222.	X-RAY	N/A	78-336,888 20031205	Alliant Techsystems Inc.	Pending-ITU
223.	STEADY BAG	N/A	78-336,890 20031205	Alliant Techsystems Inc.	Pending-ITU

No.	Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
224.	ONE AND ONLY	N/A	78-339,079 20031210	Alliant Techsystems Inc.	Pending-ITU
225.	OUTFITTER	N/A	78-342,229 20031217	Alliant Techsystems Inc.	Pending-ITU
226.	OUTFITTER	N/A	78-342,279 20031217	Alliant Techsystems Inc.	Pending-ITU
227.	ATK THOKOL PROPULSION	N/A	78-343,271 20031219	Alliant Techsystems Inc.	Pending-ITU
228.	ATK THOKOL PROPULSION	N/A	78-343,274 20031219	Alliant Techsystems Inc.	Pending-ITU
229.	ATK THOKOL PROPULSION	N/A	78-343,608 20031219	Alliant Techsystems Inc.	Pending-ITU
230.	N/A	N/A	78-346,828 20031231	Alliant Techsystems Inc.	Pending-ITU
231.	OUTFITTER LOGO	N/A	78-347,032 20031231	Alliant Techsystems Inc.	Pending-ITU
232.	INDEPENDENCE	N/A	78-349,715 20040109	Federal Cartridge Company	Pending-ITU
233.	N/A	N/A	78-350,077 20040109	Alliant Techsystems Inc.	Pending-ITU
234.	N/A	N/A	78-350,084 20040109	Alliant Techsystems Inc.	Pending-ITU
235.	THREE-IN-A-ROW	N/A	78-350,156 20040109	Alliant Techsystems Inc.	Pending-ITU
236.	FEDERAL PREMIUM	N/A	78-352,213 20040115	Alliant Techsystems Inc.	Pending-ITU
237.	OW	N/A	78-355,521 20040122	Alliant Techsystems Inc.	Pending
238.	OW OUTDOOR WRITERS	N/A	78-355,524 20040122	Alliant Techsystems Inc.	Pending
239.	SHOOTERS RIDGE	N/A	78-286,178 20030812	Federal Cartridge Company	Registered
240.	SHOOTERS RIDGE	N/A	78-357,353 20040126	Alliant Techsystems Inc.	Pending-ITU
241.	SHOOTERS RIDGE	N/A	78-357,425 20040126	Alliant Techsystems Inc.	Pending-ITU
242.	GOLD MATCH	N/A	78-357,665 20040126	Alliant Techsystems Inc.	Pending
243.	IN-SIGHT	N/A	78-360,855 20040202	Alliant Techsystems Inc.	Pending-ITU
244.	IN SIGHT	N/A	78-360,989 20040202	Alliant Techsystems Inc.	Pending-ITU
245.	SYLRAMIC		78-363,911 20040206	Composite Optics Inc.	Pending
246.	S	N/A	78-369,291 20040217	Alliant Techsystems Inc.	Pending-ITU
247.	S	N/A	78-369,294 20040217	Alliant Techsystems Inc.	Pending-ITU
248.	NDE VIEWER	N/A	78-370,385 20040219	Alliant Techsystems Inc.	Pending

No.	Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
249.	CHAMPION	N/A	78-373,938 20040225	Alliant Techsystems Inc.	Pending
250.	CHAMPION TRAPS & TARGETS CRITT	N/A	78-374,572 20040226	Alliant Techsystems Inc.	Pending
251.	CHAMPION TRAPS & TARGETS CRITT	N/A	78-376,070 20040301	Alliant Techsystems Inc.	Pending
252.	CHAMPION TRAPS & TARGETS CRITT	N/A	78-376,071 20040301	Alliant Techsystems Inc.	Pending
253.	CHAMPION	N/A	78-376,467 20040301	Alliant Techsystems Inc.	Pending
254.	CHAMPION TRAPS & TARGETS	N/A	78-376,470 20040301	Alliant Techsystems Inc.	Pending
255.	CHAMPION	N/A	78-376,474 20040301	Alliant Techsystems Inc.	Pending
256.	CHAMPION TRAPS & TARGETS	N/A	78-376,545 20040301	Alliant Techsystems Inc.	Pending
257.	CHAMPION TRAPS & TARGETS	N/A	78-376,548 20040301	Alliant Techsystems Inc.	Pending
258.	MISCELLANEOUS DESIGN	1,346,022 19850702	73-488,909 19840709	Alliant Techsystems Inc.	Registered

EXECUTION COPY

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 March 31, 2004, 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 Credit Agreement dated as of March 31, 2004 (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 Security Agreement dated March 31, 2004 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 United States 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 and exclusive copyright licenses 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 the Commissioner for 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.

ALLIANT TECHSYSTEMS INC.

By: [Signature]
Name: _____
Title: _____

By: [Signature]
Name: _____
Title: _____

Address for Notices:

Radford Army Ammunition Plant
Route 114, Box 1
Radford, VA 24141-0100

ALLIANT AMMUNITION AND POWDER
COMPANY LLC

By: [Signature]
Name: _____
Title: _____

By: [Signature]
Name: _____
Title: _____

Address for Notices:

Building 104
Twin Cities Army Ammunition Plant
Arden Hills, MN 55112


ALLIANT AMMUNITION SYSTEMS
COMPANY LLC

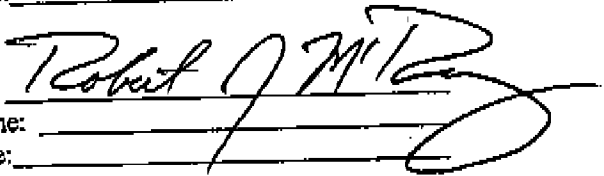
By: [Signature]
Name: _____
Title: _____

By: [Signature]
Name: _____
Title: _____

Address for Notices:
5050 Lincoln Drive
Edina, MN 55436-1097

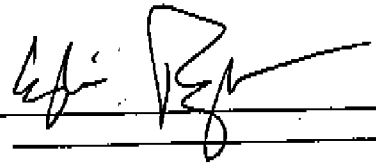
ALLIANT HOLDINGS LLC

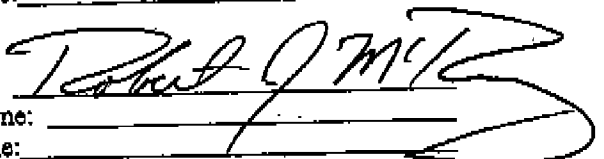
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By: 
Name: _____
Title: _____

Address for Notices:
5050 Lincoln Drive
Edina, MN 55436-1097

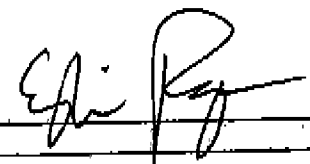
ALLIANT INTERNATIONAL HOLDINGS
INC.


By: 
Name: _____
Title: _____

By: 
Name: _____
Title: _____

Address for Notices:
Lake City Army Ammunition Plant
PO Box 1000
Independence, MO 64051-1000

ALLIANT LAKE CITY SMALL CALIBER
AMMUNITION COMPANY LLC

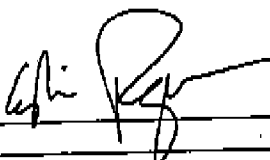
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Title: _____

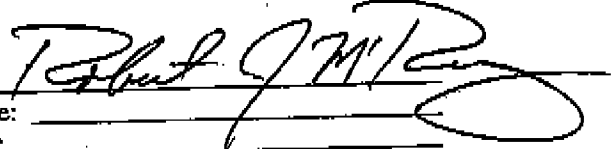
By: 
Name: _____
Title: _____

Address for Notices:

One Utah Center
201 South Main Street
Suite 400
Salt Lake City, UT 84111

ALLIANT PROPULSION AND
COMPOSITES LLC


By: 
Name: _____
Title: _____

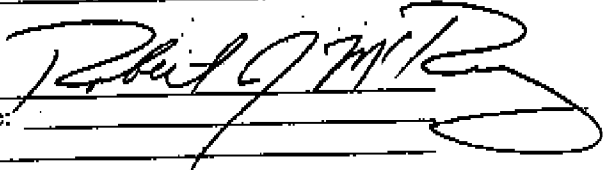
By: 
Name: _____
Title: _____

Address for Notices:

Tri State Commerce Park
751 County Road 989
Building 1000
Inka, MS 38852

ALLIANT SOUTHERN COMPOSITES
COMPANY LLC

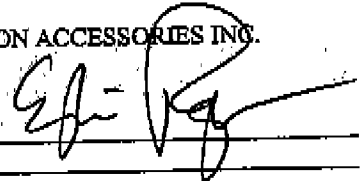
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Title: _____

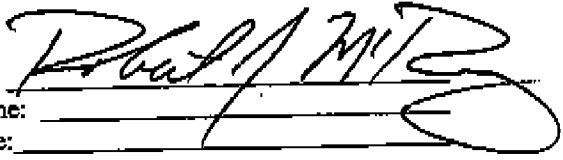
By: 
Name: _____
Title: _____

Address for Notices:

2299 Snake River Avenue
Lewiston, ID 83501

AMMUNITION ACCESSORIES INC.

By: 
Name: _____
Title: _____

By: 
Name: _____
Title: _____

Address for Notices:
One Utah Center
201 South Main Street
Suite 400
Salt Lake City, UT 84111

ATK AEROSPACE COMPANY INC.

By: [Signature]
Name: _____
Title: _____

By: [Signature]
Name: _____
Title: _____

Address for Notices:
900 Ehlen Drive
Anoka, MN 55303-1778

ATK AMMUNITION AND RELATED PRODUCTS LLC

By: [Signature]
Name: _____
Title: _____

By: [Signature]
Name: _____
Title: _____

Address for Notices:
5050 Lincoln Drive
Edina, MN 55436-1097

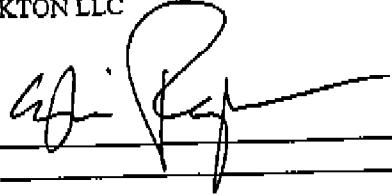
ATK COMMERCIAL AMMUNITION COMPANY INC.

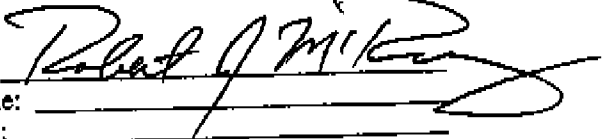
By: [Signature]
Name: _____
Title: _____

By: [Signature]
Name: _____
Title: _____

Address for Notices:
55 Thiokol Road
PO Box 241
Elkton, MD 21922

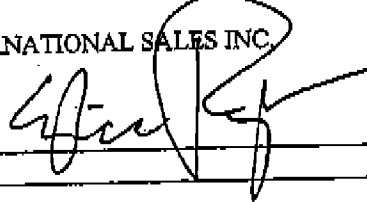
ATK ELKTON LLC

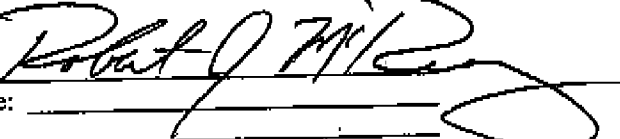
By: 
Name: _____
Title: _____

By: 
Name: _____
Title: _____

Address for Notices:
900 Ehlen Drive
Anoka, MN 55303-1778

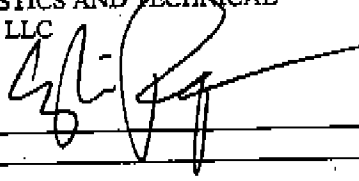
ATK INTERNATIONAL SALES INC.

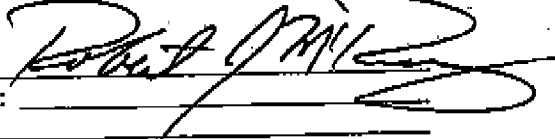
By: 
Name: _____
Title: _____

By: 
Name: _____
Title: _____

Address for Notices:
5050 Lincoln Drive
Edina, MN 55436-1097

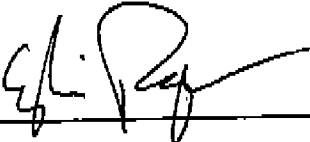
ATK LOGISTICS AND TECHNICAL SERVICES LLC


By: 
Name: _____
Title: _____

By: 
Name: _____
Title: _____

Address for Notices:
21301 Burbank Boulevard
Suite 100
Woodland Hills, CA 91367

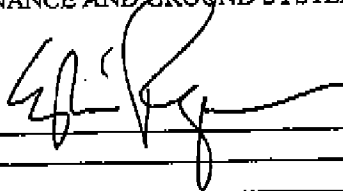
ATK MISSILE SYSTEMS COMPANY LLC

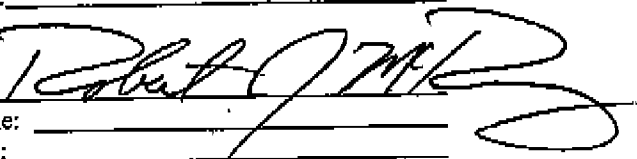
By: 
Name: _____
Title: _____

By: 
Name: _____
Title: _____

Address for Notices:
4700 Nathan Lane
Plymouth, MN 55442-2890

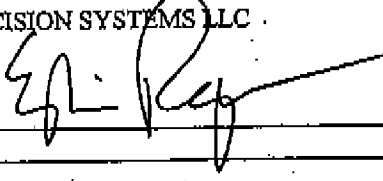
ATK ORDNANCE AND GROUND SYSTEMS
LLC

By: 
Name: _____
Title: _____

By: 
Name: _____
Title: _____

Address for Notices:
5050 Lincoln Drive
Edina, MN 55436-1097

ATK PRECISION SYSTEMS LLC

By: 
Name: _____
Title: _____

By: 
Name: _____
Title: _____

Address for Notices:
Allegany Ballistic Laboratory
210 State Route 956
Rocket Center, WV 26726

ATK TACTICAL SYSTEMS COMPANY LLC

By: [Signature]
Name: _____
Title: _____

By: [Signature]
Name: _____
Title: _____

Address for Notices:
9617 Distribution Avenue
San Diego, CA 92121

COMPOSITE OPTICS, INCORPORATED

By: [Signature]
Name: _____
Title: _____

By: [Signature]
Name: _____
Title: _____

Address for Notices:
900 Ehlen Drive
Anoka, MN 55303-1778

FEDERAL CARTRIDGE COMPANY

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Title: _____

By: [Signature]
Name: _____
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Address for Notices:
77 Raynor Avenue
Ronkonkoma, NY 11779

GASL, INC.

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Name: _____
Title: _____

By: [Signature]
Name: _____
Title: _____

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207 Big Springs Avenue
PO Box 370
Tullahoma, TN 37388

MICRO CRAFT INC.

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Title: _____

By: [Signature]
Name: _____
Title: _____

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735 State Street
P.O. Drawer 719
Santa Barbara, CA 93102-0719

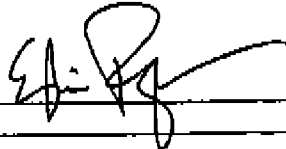
MISSION RESEARCH CORPORATION

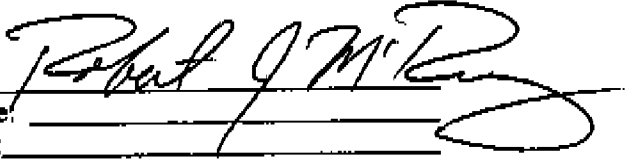
By: [Signature]
Name: _____
Title: _____

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Name: _____
Title: _____

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Radford Army Ammunition Plant
Route 114, Box 6
Radford, VA 24141-0096

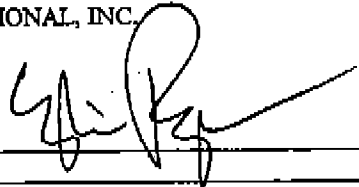
NEW RIVER ENERGETICS, INC.

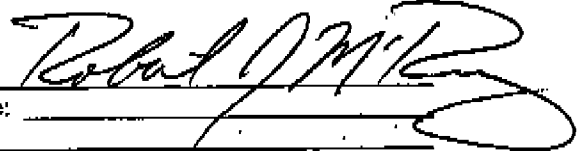
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Title: _____

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Name: _____
Title: _____

Address for Notices:
9160 North Highway 83
PO Box 707
Brigham City, UT 84302-0707

THIOKOL TECHNOLOGIES
INTERNATIONAL, INC.

By: 
Name: _____
Title: _____

By: 
Name: _____
Title: _____

SCHEDULE A
PATENTS

ATK US PENDING APPLICATIONS AND US PATENTS

ATK US PATENTS

Title	Patent No. Issued Date	App. No. Filing Date	Owner
Rotary switch	4581500 19860408	84680103 19841210	Alliant Techsystems Inc.
Impact switch	4581505 19860408	84686512 19841226	Alliant Techsystems Inc.
Impact switch	4581506 19860408	84686555 19841226	Alliant Techsystems Inc.
Impact switch	4581507 19860408	84686556 19841226	Alliant Techsystems Inc.
High rate metal oxyhalide cells	4613551 19860923	84652363 19840919	Alliant Techsystems Inc.
Metal to composite tubular joints	4647078 19870303	85810702 19851219	Alliant Techsystems Inc.
In-line safing and arming apparatus	4651646 19870324	86836785 19860306	Alliant Techsystems Inc.
Low profile, pivoted generator	4656943 19870414	84679657 19841207	Alliant Techsystems Inc.
Light vehicle range discriminator	4661939 19870428	85772101 19850903	Alliant Techsystems Inc.
Millimeter wave length guidance system	4665401 19870512	80195809 19801010	Alliant Techsystems Inc.
Safe and arming device	4677913 19870707	86853281 19860417	Alliant Techsystems Inc.
Feature extractor for quasi-periodic sig	4678987 19870707	85784970 19851007	Alliant Techsystems Inc.
Apparatus and method of safe and arming	4686885 19870818	86853247 19860417	Alliant Techsystems Inc.
Co-oxidizers in solid crosslinked double	4689097 19870825	83529811 19830822	Alliant Techsystems Inc.
Electro-explosive safety and arming devi	4691634 19870908	86875910 19860619	Alliant Techsystems Inc.
Fuze actuating method having an adaptive	4694752 19870922	86914405 19861002	Alliant Techsystems Inc.
Electrochemical cell having improved act	4698283 19871006	86911578 19860925	Alliant Techsystems Inc.
Discarding sabot projectile	4709638 19871201	81305077 19810924	Alliant Techsystems Inc.
High rate metal oxyhalide cells	4710437 19871201	86818072 19860113	Alliant Techsystems Inc.
Method and apparatus for reflection coef	4721901 19880126	86843312 19860324	Alliant Techsystems Inc.
Method of forming threaded polar opening	4732634 19880322	84680021 19841210	Alliant Techsystems Inc.
Armor-penetrating ammunition assembly wi	4757766 19880719	877851 19870128	Alliant Techsystems Inc.
Fluid control apparatus	4762757 19880809	8773245 19870713	Alliant Techsystems Inc.
Safing and arming mechanism	4770096 19880913	8785688 19870817	Alliant Techsystems Inc.
Centroid detection apparatus and method	4771288 19880913	85735018 19850517	Alliant Techsystems Inc.

ATK US PENDING APPLICATIONS AND US PATENTS

Title	Patent No. Issued Date	App. No. Filing Date	Owner
Reserve activated electrochemical cell	4800141 19890124	87122105 19871117	Alliant Techsystems Inc.
Electrode material/electrolyte system fo	4804596 19890214	88146536 19880121	Alliant Techsystems Inc.
Method of producing thermoplastic elasto	4806613 19890221	88174665 19880329	Alliant Techsystems Inc.
Head end control and steering system: us	4817377 19890404	8747755 19870507	Alliant Techsystems Inc.
Rocket propelled vehicle forward end con	4819426 19890411	8747760 19870508	Alliant Techsystems Inc.
Multiple-stage rocket motor nozzle throa	4821510 19890418	8741264 19870422	Alliant Techsystems Inc.
Method of manufacturing FIN stabilized a	4825518 19890502	87134623 19871217	Alliant Techsystems Inc.
Detonator	4831932 19890523	8785921 19870817	Alliant Techsystems Inc.
Turns-to-arm sensor	4848234 19890718	88177555 19880404	Alliant Techsystems Inc.
Air driven whistle generator	4849646 19890718	88174298 19880328	Alliant Techsystems Inc.
Self-sterilizing safe-arm device with ar	4854239 19890808	88256445 19881012	Alliant Techsystems Inc.
Variable mass flow rate solid propellant	4856276 19890815	8762531 19870612	Alliant Techsystems Inc.
Power relay/safing device for a fuze sys	4858530 19890822	88189552 19880502	Alliant Techsystems Inc.
Cased telescoped ammunition round for a	4858533 19890822	88190908 19880506	Alliant Techsystems Inc.
Multi-cell, vacuum activated deferred ac	4861686 19890829	88265305 19881031	Alliant Techsystems Inc.
Integrated silicon secondary explosive d	4862803 19890905	88261333 19881024	Alliant Techsystems Inc.
End connectors for filament wound tubes	4875717 19891024	8715825 19870217	Alliant Techsystems Inc.
Elastomeric insulating materials for roc	4878431 19891107	86832110 19860221	Alliant Techsystems Inc.
Ignition modifying overcoat for deterren	4886560 19891212	88290775 19881228	Alliant Techsystems Inc.
Modified propellant increments for short	4898097 19900206	89317889 19890302	Alliant Techsystems Inc.
Cased telescoped ammunition having featu	4907510 19900313	88154416 19880210	Alliant Techsystems Inc.
Thermoplastic elastomer-based low vulner	4919737 19900424	89294321 19890106	Alliant Techsystems Inc.
Selectable lightweight attack munition	4920884 19900501	88256437 19881012	Alliant Techsystems Inc.
Safety locking pull ring	4926750 19900522	88256444 19881012	Alliant Techsystems Inc.
Variable orifice diverter valve	4930541 19900605	89308497 19890210	Alliant Techsystems Inc.
Rotary cam load positioning apparatus	4934271 19900619	89386747 19890731	Alliant Techsystems Inc.

ATK US PENDING APPLICATIONS AND US PATENTS

Title	Patent No. Issued Date	App. No. Filing Date	Owner
Safing and arming mechanism with creep r	4938138 19900703	89389921 19890807	Alliant Techsystems Inc.
Shock initiator device for initiating a	4938141 19900703	89368477 19890619	Alliant Techsystems Inc.
Cased telescoped ammunition having featu	4938145 19900703	89440489 19891124	Alliant Techsystems Inc.
Method for making a composite component	4938824 19900703	876411 19870123	Alliant Techsystems Inc.
Puller sabot for long rod projectiles	4967668 19901106	90495506 19900319	Alliant Techsystems Inc.
Composite propellants containing copper	4971640 19901120	89390515 19890804	Alliant Techsystems Inc.
Thermoplastic elastomer-based low vulner	4976794 19901211	88229032 19880805	Alliant Techsystems Inc.
Self-sterilizing fire-on-the-fly bi-stab	4986184 19910122	89426923 19891026	Alliant Techsystems Inc.
Cationic polymerization of cyclic ethers	4988797 19910129	89323588 19890314	Alliant Techsystems Inc.
Rotor bearing pre-load for a radial pist	4997344 19910305	89394609 19890814	Alliant Techsystems Inc.
Acoustic alert sensor	5007032 19910409	90535267 19900608	Alliant Techsystems Inc.
Rocket motor insulation and like made wi	5007343 19910416	88164319 19880304	Alliant Techsystems Inc.
Chemorheologically tailored matrix resin	5011721 19910430	89422989 19891016	Alliant Techsystems Inc.
Safe and arm device	5016532 19910521	90547526 19900705	Alliant Techsystems Inc.
Interleaved center and edge-fed comb arr	5017931 19910521	88292024 19881215	Alliant Techsystems Inc.
Piezoelectric crystal powered ignition d	5022324 19910611	89362125 19890606	Alliant Techsystems Inc.
Segmented mandrel for forming composite	5022845 19910611	89343453 19890425	Alliant Techsystems Inc.
Cartridge case for a cased telescoped am	5029530 19910709	90478120 19900202	Alliant Techsystems Inc.
Radiation curable rocket motor liner for	5031539 19910716	90467728 19900119	Alliant Techsystems Inc.
No stored energy safe and arm device	5033383 19910723	89456396 19891226	Alliant Techsystems Inc.
Method and hardware for controlled aerod	5033385 19910723	89440563 19891120	Alliant Techsystems Inc.
Silent stud gun attachment device	5038665 19910813	90474884 19900202	Alliant Techsystems Inc.
Forward control tube with sequenced igni	5042388 19910827	0613256 19901114	Alliant Techsystems Inc.
Filament winding system	5045147 19910903	88275313 19881123	Alliant Techsystems Inc.
Manufacturing thin wall steel cartridge	5048162 19910917	90612532 19901113	Alliant Techsystems Inc.
Main propellant ignition liner for cased	5048422 19910917	90580391 19900910	Alliant Techsystems Inc.

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Title	Patent No. Issued Date	App. No. Filing Date	Owner
Interlocked release mechanism with timed	5052303 19911001	90516953 19900430	Alliant Techsystems Inc.
Infrared illuminant and pressing method	5056435 19911015	89443658 19891129	Alliant Techsystems Inc.
Gas generator ventable at a high tempera	5060470 19911029	90526884 19900522	Alliant Techsystems Inc.
Cased telescoped ammunition round	5067408 19911126	90524619 19900517	Alliant Techsystems Inc.
Cased telescoped ammunition round	5069137 19911203	90524605 19900517	Alliant Techsystems Inc.
Diaminoglyoxime and diaminofurazan in pr	5071495 19911210	90537658 19900614	Alliant Techsystems Inc.
Bisphenol and neopentyl glycol diglycidy	5075356 19911224	0613421 19901115	Alliant Techsystems Inc.
Ammunition data transmission system	5078051 19920107	91655071 19910214	Alliant Techsystems Inc.
Process for creating high strength tubin	5082508 19920121	90612418 19901113	Alliant Techsystems Inc.
Target tracking system for determining b	5095467 19920310	90582571 19900914	Alliant Techsystems Inc.
Process for creating high strength tubin	5106431 19920421	90612418 19901113	Alliant Techsystems Inc.
Rocket motor insulation and like made wi	5117757 19920602	90468302 19900122	Alliant Techsystems Inc.
Focal plane array seeker for projectiles	5129595 19920714	91725196 19910703	Alliant Techsystems Inc.
Thin wall steel cartridge cases	5130207 19920714	91719972 19910624	Alliant Techsystems Inc.
Optical detection device	5142985 19920901	90532778 19900604	Alliant Techsystems Inc.
High energy electrochemical cell having	5147739 19920915	90561134 19900801	Alliant Techsystems Inc.
Unwinding ribbon safing and arming devic	5147974 19920915	90609677 19901106	Alliant Techsystems Inc.
Bandpass filter demodulation for FM-CW s	5150124 19920922	91674010 19910325	Alliant Techsystems Inc.
Voltage controlled oscillator	5159346 19921027	91712931 19910610	Alliant Techsystems Inc.
Isotactic poly(glydicyl nitrate) and syn	5162494 19921110	90609198 19901105	Alliant Techsystems Inc.
Annular spinning parachute	5174527 19921229	90580244 19900910	Alliant Techsystems Inc.
Solid interspersed expanded collector gr	5185224 19930209	90631170 19901220	Alliant Techsystems Inc.
Fuzing system for tandem demolition warh	5198615 19930330	92856531 19920324	Alliant Techsystems Inc.
Autonomous acoustic detonation device	5202532 19930413	91747393 19910816	Alliant Techsystems Inc.
Solid propellant rocket motor case for i	5228285 19930720	92843068 19920302	Alliant Techsystems Inc.
Low cost hermetically sealed squib	5230287 19930727	91686187 19910416	Alliant Techsystems Inc.

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Title	Patent No. Issued Date	App. No. Filing Date	Owner
Filament wound threaded tube connection	5233737 19930810	91782954 19911025	Alliant Techsystems Inc.
Lithium-based polymer electrolyte electr	5240790 19930831	9329082 19930310	Alliant Techsystems Inc.
Method and apparatus for time setting ba	5241892 19930907	89386258 19890728	Alliant Techsystems Inc.
Assembly and method for attaching a pres	5257761 19931102	92840953 19920224	Alliant Techsystems Inc.
Isotactic poly(glycidyl nitrate) and syn	5264596 19931123	92928716 19920813	Alliant Techsystems Inc.
Magnetic sensor arming apparatus and met	5265539 19931130	92901392 19920619	Alliant Techsystems Inc.
Surfactant stabilized nitroglycerin emul	5268046 19931207	92930128 19920814	Alliant Techsystems Inc.
Electro-mechanical base element fuze	5271327 19931221	92901381 19920619	Alliant Techsystems Inc.
Chlorine-free solid rocket propellant fo	5271778 19931221	91816357 19911227	Alliant Techsystems Inc.
Differential polarization LADAR	5272351 19931221	92819283 19920113	Alliant Techsystems Inc.
Ribbonizing method for selectively heati	5273602 19931228	92956122 19921002	Alliant Techsystems Inc.
Gun launched non-spinning safety and arm	5275107 19940104	92901113 19920619	Alliant Techsystems Inc.
Optical detection device	5277113 19940111	91900804 19910125	Alliant Techsystems Inc.
Composite/metal hybrid rocket motor case	5280706 19940125	92903852 19920625	Alliant Techsystems Inc.
High energy electrochemical cell employi	5284721 19940208	90561132 19900801	Alliant Techsystems Inc.
Fiber placement delivery system with mod	5290389 19940301	92948626 19920921	Alliant Techsystems Inc.
Insensitive propellant ignitor	5291828 19940308	92970993 19921026	Alliant Techsystems Inc.
Phase-stabilized ammonium nitrate and me	5292387 19940308	9310391 19930128	Alliant Techsystems Inc.
Parabolic dual reflector antenna with of	5319379 19940607	84643910 19840824	Alliant Techsystems Inc.
Electronic fuze package and method	5325784 19940705	9311580 19930201	Alliant Techsystems Inc.
Controlled burn rate, reduced smoke, sol	5334270 19940802	92981774 19921125	Alliant Techsystems Inc.
Compact deployable acoustic sensor	5339281 19940816	93102466 19930805	Alliant Techsystems Inc.
Low cost segmented structure for pressur	5341638 19940830	92847169 19920309	Alliant Techsystems Inc.
Solid propellant with non-crystalline po	5348596 19940920	89398210 19890825	Alliant Techsystems Inc.
Composite/metal hybrid rocket motor case	5348603 19940920	9367849 19930527	Alliant Techsystems Inc.
Propellant stick kerfing apparatus and m	5349892 19940927	91788408 19911106	Alliant Techsystems Inc.

ATK US PENDING APPLICATIONS AND US PATENTS

Title	Patent No. Issued Date	App. No. Filing Date	Owner
High rate electrochemical cell	5352546 19941004	9329080 19930310	Alliant Techsystems Inc.
Method for increasing fiber strength tra	5356499 19941018	9381839 19930623	Alliant Techsystems Inc.
Self venting carbon or graphite phenolic	5359850 19941101	9331652 19930315	Alliant Techsystems Inc.
Propellant gas-generation system for can	5363768 19941115	91679305 19910402	Alliant Techsystems Inc.
Interpenetrating network combination of	5377593 19950103	92838091 19920220	Alliant Techsystems Inc.
Perchlorate removal process	5382265 19950117	93143190 19931026	Alliant Techsystems Inc.
Bore mitigants for solid propellant rock	5386776 19950207	9322180 19930224	Alliant Techsystems Inc.
Propellant grain machining device	5391025 19950221	92871966 19920421	Alliant Techsystems Inc.
Tape wrapped, fabric reinforced, flex be	5399309 19950321	85807626 19851211	Alliant Techsystems Inc.
Thermoplastic elastomeric internal insul	5399599 19950321	9339044 19930406	Alliant Techsystems Inc.
Stage separation and thrust reduction ap	5400713 19950328	94208940 19940309	Alliant Techsystems Inc.
Polyether compounds having both imine an	5414123 19950509	93173425 19931223	Alliant Techsystems Inc.
Low cost hermetically sealed squib	5431101 19950711	92964636 19921022	Alliant Techsystems Inc.
Composite Antenna	5440801 19950815	94205879 19940303	Composite Optics, Inc.
Synthesis of bis(2,2-dinitropropyl) form	5449835 19950912	94339140 19941114	Alliant Techsystems Inc.
Electro-mechanical roll control apparatus	5452864 19950926	94221358 19940331	Alliant Techsystems Inc.
Fault tolerant safe and arming device	5454321 19951003	94324210 19941017	Alliant Techsystems Inc.
Flare pellet and process for making same	5456455 19951010	94189803 19940201	Alliant Techsystems Inc.
Programmable electronic time delay initi	5460093 19951024	93101237 19930802	Alliant Techsystems Inc.
3-nitramino-4-nitrofurazan and salts the	5460669 19951024	9382918 19930628	Alliant Techsystems Inc.
Binder system for crosslinked double bas	5468311 19951121	7922123 19790305	Alliant Techsystems Inc.
Composite Structure for Heat Transfer and Radiation	5471367 19951128	94212948 19940315	Composite Optics, Inc.
Multifunctional magnetic fuze	5497704 19960312	93176355 19931230	Alliant Techsystems Inc.
Propellant formulations based on dinitra	5498303 19960312	9352035 19930421	Alliant Techsystems Inc.
Low density thermoplastic elastomeric in	5498649 19960312	9363511 19930518	Alliant Techsystems Inc.
Synthesis of 4,10-dinitro-2,6,8,12-tetra	5498711 19960312	93101458 19930802	Alliant Techsystems Inc.

ATK US PENDING APPLICATIONS AND US PATENTS

Title	Patent No. Issued Date	App. No. Filing Date	Owner
Dry preparation of particulate solid ene	5501132 19960326	94298929 19940831	Alliant Techsystems Inc.
Solid fuel launch vehicle destruction sy	5507231 19960416	94322917 19941013	Alliant Techsystems Inc.
Vectorable nozzle having jet vanes	5511745 19960430	94366848 19941230	Alliant Techsystems Inc.
Propellant grain machining device and me	5511914 19960430	95388249 19950214	Alliant Techsystems Inc.
Stable plasticizers for nitrocellulose n.	5520756 19960528	92962950 19921016	Alliant Techsystems Inc.
Method of surface preparation of aluminu	5520768 19960528	94327305 19941021	Alliant Techsystems Inc.
Method for producing high density refrac	5523048 19960604	94282345 19940729	Alliant Techsystems Inc.
Destruction of nitramines employing aque	5523517 19960604	95386152 19950209	Alliant Techsystems Inc.
Insensitive high performance explosive c	5529649 19960625	9313034 19930203	Alliant Techsystems Inc.
Method of molding a polar boss to a comp	5538680 19960723	94265406 19940624	Alliant Techsystems Inc.
Pulse doppler proximity sensor	5539410 19960723	92844334 19920302	Alliant Techsystems Inc.
Method for increasing fiber strength tra	5545278 19960813	94198615 19940218	Alliant Techsystems Inc.
Electrostatic discharge reduction in ene	5547525 19960820	93128793 19930929	Alliant Techsystems Inc.
Energetic materials processing technique	5565150 19961015	94336309 19941108	Alliant Techsystems Inc.
Propellants useful in electrothermal-che	5574240 19961112	96593537 19960129	Alliant Techsystems Inc.
Composite conformable pressure vessel	5577630 19961126	95382502 19950202	Alliant Techsystems Inc.
Use of controlled burn rate, reduced smo	5579634 19961203	94222423 19940401	Alliant Techsystems Inc.
Distributed erosion region rocket motor	5579635 19961203	94342146 19941118	Alliant Techsystems Inc.
Shock tolerant fuze	5585592 19961217	94251147 19940531	Alliant Techsystems Inc.
Clean space motor/gas generator solid pr	5591936 19970107	90561951 19900802	Alliant Techsystems Inc.
Metal complexes for use as gas generants	5592812 19970114	96599634 19960209	Alliant Techsystems Inc.
Chemorheologically tailored matrix resin	5593770 19970114	94195301 19940214	Alliant Techsystems Inc.
Solid propellant dual pulse rocket motor	5600946 19970211	95469759 19950606	Alliant Techsystems Inc.
Reduced cost membrane seal assembly for	5613358 19970325	90588370 19900926	Alliant Techsystems Inc.
Propellant grain machining device and me	5615983 19970401	96635745 19960422	Alliant Techsystems Inc.
3-D carbon-carbon composites for crystal	5616175 19970401	94278744 19940722	Alliant Techsystems Inc.

ATK US PENDING APPLICATIONS AND US PATENTS

Title	Patent No. Issued Date	App. No. Filing Date	Owner
Propellant gas-generation system for can	5616884 19970401	92911941 19920710	Alliant Techsystems Inc.
FMCW VCO closed loop linearizer	5642081 19970624	95548428 19951026	Alliant Techsystems Inc.
Synthesis of bis(2,2-dinitropropyl)aceta	5648556 19970715	94339138 19941114	Alliant Techsystems Inc.
Plume enhancement nozzle for achieving f	5654522 19970805	95495716 19950627	Alliant Techsystems Inc.
Method of surface preparation of titaniu	5660884 19970826	95550957 19951031	Alliant Techsystems Inc.
Synthesis of charged Li _x CoO ₂	5667660 19970916	95527208 19950912	Alliant Techsystems Inc.
Black powder processing on twin-screw ex	5670098 19970923	96707199 19960820	Alliant Techsystems Inc.
Metal complexes for use as gas generants	5673935 19971007	95484142 19950607	Alliant Techsystems Inc.
Solid propellant dual pulse rocket motor	5675966 19971014	95525336 19950907	Alliant Techsystems Inc.
Feed additive composition for ruminants	5676966 19971014	95424639 19950419	Alliant Techsystems Inc.
Electro-mechanical safety and arming dev	5693906 19971202	95535744 19950928	Alliant Techsystems Inc.
Voltage feedback linearizer	5694132 19971202	85796832 19851112	Alliant Techsystems Inc.
Band fiber forming and placement deliver	5698066 19971216	92924355 19920803	Alliant Techsystems Inc.
Retaining clip system	5704100 19980106	96609735 19960301	Federal Cartridge Co
Electronic turns-counting fuze and metho	5705766 19980106	95550054 19951030	Alliant Techsystems Inc.
Synthesis of 2,4,6,8,10,12-hexabenzyl-2,	5723604 19980303	95493627 19950622	Alliant Techsystems Inc.
Metal complexes for use as gas generants	5725699 19980310	95507552 19950726	Alliant Techsystems Inc.
Counterbalance assembly	5735020 19980407	97810894 19970305	Alliant Techsystems Inc.
Thermostatic bimetallic retaining ring f	5735114 19980407	91745531 19910815	Alliant Techsystems Inc.
Using metal complex compositions as gas	5735118 19980407	96698657 19960816	Alliant Techsystems Inc.
Inorganic oxide resins for internal oxid	5736477 19980407	89355216 19890522	Alliant Techsystems Inc.
Hydrogenolysis of 2,4,6,8,10,12-Hexabenz	5739325 19980414	95568451 19951207	Alliant Techsystems Inc.
Propellant formulations based on dinitra	5741998 19980421	96614303 19960312	Alliant Techsystems Inc.
Missile diverter integration method and	5755401 19980526	95551006 19951031	Alliant Techsystems Inc.
Lithium metal anodes	5756232 19980526	96719992 19960925	Alliant Techsystems Inc.
Process for the manufacture of high perf	5759458 19980602	96687887 19960726	Alliant Techsystems Inc.

ATK US PENDING APPLICATIONS AND US PATENTS

Title	Patent No. Issued Date	App. No. Filing Date	Owner
Method of internally insulating a propel	5762746 19980609	89394706 19890816	Alliant Techsystems Inc.
Apparatus for fiber impregnation	5766357 19980616	96716027 19960919	Alliant Techsystems Inc.
Robust propellant liner and interfacial	5767221 19980616	95448825 19950524	Alliant Techsystems Inc.
Composite Antenna	5771027 19980623	97847864 19970428	Composite Optics, Inc.
Aluminized plateau-burning solid propell	5771679 19980630	96760727 19961205	Alliant Techsystems Inc.
Solid propellant with non-crystalline po	5783769 19980721	89326852 19890317	Alliant Techsystems Inc.
Gun-launched rocket	5792981 19980811	96739469 19961028	Alliant Techsystems Inc.
Multiplexed network connecting apparatus	5793769 19980811	96688211 19960729	Alliant Techsystems Inc.
Photo-degradable shotshell of polyethyle	5795923 19980818	95543946 19951017	Federal Cartridge Co
High performance space motor solid prope	5798480 19980825	90561973 19900802	Alliant Techsystems Inc.
High performance large launch vehicle so	5801325 19980901	90561774 19900802	Alliant Techsystems Inc.
System and method for the construction of Space Craft Structures	5803402 19980908	96645136 19960513	Composite Optics, Inc.
Lead-free centerfire primer with DDNP an	5831208 19981103	96768773 19961213	Federal Cartridge Co
Injection-modulable, polycaprolactone-ba	5859090 19990112	96591176 19960116	Alliant Techsystems Inc.
Acoustic optical scanning of linear dete	5870181 19990209	97958956 19971028	Alliant Techsystems Inc.
Process of crystallizing 2,4,6,8,10,12-h	5874574 19990223	97991432 19971216	Alliant Techsystems Inc.
Shot pouch	5874689 19990223	97867180 19970602	Federal Cartridge Co
Propellant system	5892172 19990406	97841431 19970422	Alliant Techsystems Inc.
Pressable infrared illuminant compositio	5912430 19990615	95386327 19950210	Alliant Techsystems Inc.
Acceleration/deceleration sensing switch	5914459 19990622	97905173 19970801	Alliant Techsystems Inc.
Shoot-through cover for an explosively f	5925845 19990720	97905174 19970801	Alliant Techsystems Inc.
Apparatus and method for determining ang	5936575 19990810	9823381 19980213	Alliant Techsystems Inc.
Processing and curing aid for composite	5942720 19990824	9355079 19930429	Alliant Techsystems Inc.
Energetic binders	5955629 19990921	89343977 19890426	Alliant Techsystems Inc.
Through bulkhead initiator	5959236 19990928	9852644 19980331	Alliant Techsystems Inc.
Metal hydrazine complexes used as gas ge	5970703 19991026	97934900 19970922	Alliant Techsystems Inc.

ATK US PENDING APPLICATIONS AND US PATENTS

Title	Patent No. Issued Date	App. No. Filing Date	Owner
Common aperture dual mode semi-active la	5973649 19991026	97959602 19971028	Alliant Techsystems Inc.
Assembly including tubular bodies and ma	5984369 19991116	9894569 19980615	Alliant Techsystems Inc.
Robust propellant liner and interfacial	5985361 19991116	9861098 19980416	Alliant Techsystems Inc.
Lead-free, heavy-metal-free rim-fire pri	5993577 19991130	98148192 19980904	Alliant Techsystems Inc.
Plume enhancement nozzle for achieving f	5996502 19991207	97863399 19970527	Alliant Techsystems Inc.
Shaped charge liner with integral initia	6026750 20000222	9853165 19980401	Alliant Techsystems Inc.
Self-contained apparatus for fiber eleme	6026883 20000222	9870421 19980430	Alliant Techsystems Inc.
Metal complexes for use as gas generants	6039820 20000321	97899599 19970724	Alliant Techsystems Inc.
Method and apparatus for producing fiber	6050315 20000418	9870445 19980430	Alliant Techsystems Inc.
Low smoke rocket motor liner composition	6051087 20000418	92991467 19921216	Alliant Techsystems Inc.
Erosion resistant-low signature liner fo	6054521 20000425	97986875 19971208	Alliant Techsystems Inc.
Mechanism for mechanically isolating ene	6059045 20000509	98119733 19980721	Alliant Techsystems Inc.
Coaxial unfocused optical sensor for dua	6060703 20000509	98107009 19980629	Alliant Techsystems Inc.
Composite Isogrid Structures For Parabolic Surfaces	6064352 20000516	09/053187 19980401	TRW Inc. and Composite Optics, Inc.
Solid rocket propellant	6066214 20000523	98183750 19981030	Alliant Techsystems Inc.
Process for manufacture of perforated sl	6071444 20000606	97979447 19971124	Alliant Techsystems Inc.
Process for controlled deposition profil	6083560 20000704	96752450 19961115	Alliant Techsystems Inc.
Advanced designs for high pressure, high	6086692 20000711	98165304 19981002	Alliant Techsystems Inc.
Capture feature tang seal defect measur	6088925 20000718	9886572 19980529	Alliant Techsystems Inc.
Solar concentrator array	6091017 20000718	99379254 19990823	Composite Optics, Inc.
Radome nose cone probe apparatus for use	6094054 20000725	96668690 19960624	Alliant Techsystems Inc.
Design for a gun-launched rocket	6094906 20000801	99301157 19990428	Alliant Techsystems Inc.
Composite conformable pressure vessel	6095367 20000801	96718611 19960923	Alliant Techsystems Inc.
Multiple axes fiber placement machine	6096164 20000801	98135068 19980817	Alliant Techsystems Inc.
Methods for controlled polymerization of	6100375 20000808	94233219 19940426	Alliant Techsystems Inc.
Process for the large-scale synthesis of	6107483 20000822	99362083 19990728	Alliant Techsystems Inc.

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Title	Patent No. Issued Date	App. No. Filing Date	Owner
Castable infrared illuminant composition	6123789 20000926	95386328 19950210	Alliant Techsystems Inc.
Simplified tailored composite architectu	6125764 20001003	98160952 19980925	Alliant Techsystems Inc.
Thermally-stabilized prilled ammonium di	6136115 20001024	98108383 19980701	Alliant Techsystems Inc.
Ambiguity removal and angles-of-arrival	6140963 20001031	99287256 19990407	Alliant Techsystems Inc.
Method for making new polycyclic polyami	6147209 20001114	92989369 19921208	Alliant Techsystems Inc.
Missile severance device	6148729 20001121	9867854 19980427	Alliant Techsystems Inc.
Tooling apparatus and method for produci	6149851 20001121	9870420 19980430	Alliant Techsystems Inc.
Thermal welding of fiber reinforced ther	6162314 20001219	98162680 19980929	Alliant Techsystems Inc.
Flares having igniters formed from extru	6170399 20010109	98119518 19980721	Alliant Techsystems Inc.
Process for the manufacture of high perf	6171530 20010109	9828772 19980224	Alliant Techsystems Inc.
Transmitter coil, improved fuze setter c	6176168 20010123	99302136 19990429	Alliant Techsystems Inc.
Captive soft-point bullet	6178890 20010130	99256861 19990224	Federal Cartridge Co
Sabot anti-splitting ring	6186094 20010213	98140512 19980826	Alliant Techsystems Inc.
Closure assembly for lined tanks, and ve	6186356 20010213	2000500972 20000215	Alliant Techsystems Inc.
Castable infrared illuminant composition	6190475 20010220	2000478511 20000106	Alliant Techsystems Inc.
Traveling Wave Slot Antenna and Method of Making Same	6191750 20010220	99262163 19990303	Composite Optics, Inc.
AOA estimation and polarization induced	6195043 20010227	99311139 19990513	Alliant Techsystems Inc.
Electrostatic arming apparatus for an ex	6196130 20010306	98158048 19980922	Alliant Techsystems Inc.
Rocket motor nozzle assemblies with eros	6209312 20010403	99288330 19990408	Alliant Techsystems Inc.
High performance explosive containing CL	6214137 20010410	98166842 19981006	Alliant Techsystems Inc.
Energetic oxetane propellants	6217682 20010417	98178608 19981026	Alliant Techsystems Inc.
Method for making high performance explo	6217799 20010417	98166843 19981006	Alliant Techsystems Inc.
Joint for connecting extrudable segments	6220779 20010424	99263212 19990305	Alliant Techsystems Inc.
Payload fairing with improved acoustic s	6224020 20010501	98220495 19981224	Alliant Techsystems Inc.
Supplemental-restraint-system gas genera	6224099 20010501	98119517 19980721	Alliant Techsystems Inc.
Propellant grain capable of generating b	6226979 20010508	2000503725 20000215	Alliant Techsystems Inc.
Lightweight, fighting position excavatio	6233851	97799258	Alliant Techsystems Inc.

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Title	Patent No. Issued Date	App. No. Filing Date	Owner
	20010522	19970213	
Metal complexes for use as gas generants	6241281 20010605	99434274 19991105	Alliant Techsystems Inc.
Compression mold	6241506 20010605	98162931 19980929	Alliant Techsystems Inc.
High energy gun propellants	6241833 20010605	98116744 19980716	Alliant Techsystems Inc.
Increased velocity-performance-range bul	6244187 20010612	99346182 19990701	Alliant Techsystems Inc.
Apparatus for machining explosive materi	6272954 20010814	99440883 19991116	Alliant Techsystems Inc.
Plastic liner for bayonet primers	6272994 20010814	99386810 19990831	Alliant Techsystems Inc.
Moisture seal for composite sabot with d	6279214 20010828	99353695 19990714	Alliant Techsystems Inc.
Range rate aiding in a pulsed radar syst	6281833 20010828	99437828 19991110	Alliant Techsystems Inc.
Method for producing fiber reinforced st	6290799 20010918	99399691 19990921	Alliant Techsystems Inc.
Captive soft-point bullet	6305292 20011023	2000597017 20000620	Alliant Techsystems Inc.
Vacuum debulking table for thermoplastic	6312247 20011106	99240164 19990129	Alliant Techsystems Inc.
Thrusting Apparatus	6315238 20011113	07/212468 19980628	Alliant Techsystems Inc.
High range resolution radar through non-	6317074 20011113	2000594894 20000615	Alliant Techsystems Inc.
Solvent application system	6343552 20020205	2000587773 20000606	Alliant Techsystems Inc.
Ammunition detector	6343564 20020205	99360756 19990726	Alliant Techsystems Inc.
Poly(butadiene)poly(lactone) thermoplast	6350330 20020226	90616964 19901121	Alliant Techsystems Inc.
Propulsion system	6357357 20020319	99227070 19990105	Alliant Techsystems Inc.
Alignment fixture	6360666 20020326	2000587962 20000606	Alliant Techsystems Inc.
Polymerization of poly(glycidyl nitrate)	6362311 20020326	2000688819 20001017	Alliant Techsystems Inc.
Process for making 2,4,6,8,10,12-hexanit	6391130 20020521	2000503726 20000215	Alliant Techsystems Inc.
Hybrid rocket propulsion system includin	6393830 20020528	2000532301 20000322	Alliant Techsystems Inc.
Payload fairing with jettisonable mass a	6394394 20020528	2000567816 20000509	Alliant Techsystems Inc.
Antenna array apparatus with conformal m	6407711 20020618	2001841829 20010424	Science and Applied Technology, Inc. and Composite Optics, Inc.
End closure modules for multi-cell press	6412650 20020702	2000558628 20000426	Alliant Techsystems Inc.
Extraction and recovery of nitramines fr	6414143 20020702	2000505872 20000217	Alliant Techsystems Inc.

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Title	Patent No. Issued Date	App. No. Filing Date	Owner
Method of recovery for nitramines from a	6416601 20020709	2001784475 20010215	Alliant Techsystems Inc.
Extrudable black body decoy flare compos	6432231 20020813	2000735643 20001214	Alliant Techsystems Inc.
Antenna data compression using multi-dip	6437737 20020820	2000491367 20000126	Alliant Techsystems Inc.
Method of manufacturing a composite stru	6478922 20021112	2000594920 20000615	Alliant Techsystems Inc.
Multi-stage rocket motor assembly includ	6481198 20021119	2000604679 20000627	Alliant Techsystems Inc.
Reuseable training dispenser	6481327 20021119	2000592481 20000609	Alliant Techsystems Inc.
Metal hydrazine complexes for use as gas	6481746 20021119	96746224 19961107	Alliant Techsystems Inc.
Assembly and process for controlled burn	6484617 20021126	2000562971 20000503	Alliant Techsystems Inc.
Position-controlled tensioner system	6491773 20021210	2000490357 20000124	Alliant Techsystems Inc.
Rubber-epoxy bonding via an interfacial	6495259 20021217	99433321 19991103	Alliant Techsystems Inc.
Pyrolytic graphite gauge for measuring h	6499289 20021231	2001820403 20010329	Alliant Techsystems Inc.
Spring disc for securing a combustible c	6505560 20030114	2001923852 20010807	Alliant Techsystems Inc.
Synthesis for 4,10-dinitro-2,6,8,12-tetr	6512113 20030128	2000589113 20000608	Alliant Techsystems Inc.
Captive soft-point bullet	6530328 20030311	2001948198 20010907	Federal Cartridge Co
Degradable practice mine	6539871 20030401	2001821219 20010329	Alliant Techsystems Inc.
Non-toxic, heavy-metal-free shotshell pr	6544363 20030408	2000702120 20001030	Federal Cartridge Co
Overwrap tape end-effector for fiber pla	6544367 20030408	99241830 19990201	Alliant Techsystems Inc.
Method of constructing insulated metal d	6554936 20030429	99391979 19990908	Alliant Techsystems Inc.
EPDM rocket motor insulation	6556420 20030520	2000481709 20000112	Alliant Techsystems Inc.
Method of manufacturing a soft point bul	6581503 20030624	200298647 20020313	Alliant Techsystems Inc.
High strength reactive materials	6593410 20030715	2001789479 20010221	Alliant Techsystems Inc.
Chain-extended poly(bis-azidomethyloxeta	6600002 20030729	2001841900 20010424	Alliant Techsystems Inc.
Process for the synthesis and recovery o	6603018 20030805	200260051 20020129	Alliant Techsystems Inc.
Rocket motor insulation containing hydro	6606852 20030819	2000613837 20000711	Alliant Techsystems Inc.
Double-base rocket propellants, and rock	6607617 20030819	2001872284 20010601	Alliant Techsystems Inc.
Method for recovery of nitramines from a	6610156 20030826	2001784476 20010215	Alliant Techsystems Inc.

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Title	Patent No. Issued Date	App. No. Filing Date	Owner
Prilled energetic particles, and process	6610157 20030826	2001759594 20010112	Alliant Techsystems Inc.
Rocket motors with insensitive munitions	6619029 20030916	200116697 20011101	Alliant Techsystems Inc.
Nitrate ester plasticized energetic comp	6632378 20031014	2001797929 20010302	Alliant Techsystems Inc.
Reduced sensitivity melt-cast explosives	6648998 20031118	2000747303 20001221	Alliant Techsystems Inc.
Rocket nozzle assembly having rotatable	6651438 20031125	2001941397 20010829	Alliant Techsystems Inc.
Displacement sensor containing magnetic	6670805 20031230	2001961211 20010921	Alliant Techsystems Inc.
Low density composite rocket nozzle comp	6679965 20040120	9890256 19980604	Alliant Techsystems Inc.
Fiber-reinforced rocket motor insulation	6691505 20040217	200246132 20020109	Alliant Techsystems Inc.
Method of making multi-base propellants	6692655 20040217	2001803236 20010309	Alliant Techsystems Inc.
Digital solid rocket motor and gas gener	6705075 20040316	2000698472 20001030	Alliant Techsystems Inc.
Electrostatically Clean Solar Array	6713670 20040330	10/219849 20020814	Composite Optics, Inc.
Low profile handle	D391143 19980224	9660737 19961004	Federal Cartridge Co
Bezel	D393636 19980421	9535635 19950303	Federal Cartridge Co
Solid propellant rocket motor with fusib	H1144 19930302	90593725 19901004	Alliant Techsystems Inc.

**SCHEDULE B
TRADEMARKS**

ATK TRADEMARKS

Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
BULLS EYE	61,982 19070416	71-021,649 19060818	Alliant Techsystems Inc.	Renewed-09/17/1987
SHARPSHOOTER	61,988 19070416	71-021,651 19060818	Alliant Techsystems Inc.	Renewed-11/02/1987
"UNIQUE"	99,306 19140825	71-077,286 19140407	Alliant Techsystems Inc.	Renewed-08/22/1994
GUNSLICK	323,141 19350402	71-357,453 19341024	Alliant Techsystems Inc.	Renewed-03/21/1995
MIGHTY-LITE	2,428,446 20010213	71-554,221 20000229	Alliant Techsystems Inc	Registered
MONARK	509,767 19490510	71-554,221 19480409	Federal Cartridge Company	Renewed-09/13/1989
JON-E'	529,119 19500815	71-569,548 19481129	Alliant Techsystems Inc.	Renewed-02/01/2001
JON-E'	1,066,296 19770524	73-088,744 19760528	Alliant Techsystems Inc.	Registered
AMERICAN EAGLE	577,427 19530714	71-638,197 19521117	Federal Cartridge Company	Renewed-10/17/2003
AMERICAN EAGLE DESIGN	595,057 19540914	71-657,271 19531202	Federal Cartridge Company	Renewed-08/02/1994
THIHKOL	654,307 19571112	72-009,306 19560529	ATK Aerospace Company, Inc.	Renewed-03/25/1998
BAR BUOY	679,813 19590609	72-056,753 19580807	Alliant Techsystems Inc.	Renewed-09/13/1999
THIHKOL	678,853 19590519	72-061,136 19581022	ATK Aerospace Company, Inc.	Renewed-09/08/1980
GUNSLICK	699,543 19600614	72-075,577 19590611	Alliant Techsystems Inc.	Renewed-09/08/2000
GUNSLICK	714,592 19610502	72-098,021 19600527	Alliant Techsystems Inc.	Renewed-05/29/2001

Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
GUNSLICK	714,735 19610502	72-098,022 19600527	Alliant Techsystems Inc.	Renewed-04/14/2001
GUNSLICK	713,048 19610328	72-098,023 19600527	Alliant Techsystems Inc.	Renewed-09/06/2001
PERRINE	719,943 19610815	72-105,041 19600923	Alliant Techsystems Inc.	Renewed-07/29/2001
PLINKER	726,419 19620116	72-116,929 19610331	Alliant Techsystems Inc.	Renewed-07/20/1982
FEDERAL	729,938 19620417	72-121,373 19610605	Federal Cartridge Company	Renewed-07/29/2002
PRECISIONEERED	776,018 19640901	72-151,081 19620813	Alliant Techsystems Inc.	Renewed-10/16/1984
TIP-OFF	754,116 19630806	72-153,042 19620912	Alliant Techsystems Inc.	Renewed-12/12/2003
HI-SHOK	765,673 19640225	72-160,415 19630109	Federal Cartridge Company	Renewed-01/24/1984
FLEXADYNE	792,437 19650713	72-182,108 19631129	Alliant Techsystems Inc.	Renewed-09/12/1985
AMERICAN EAGLE	781,203 19641208	72-182,715 19631210	Federal Cartridge Company	Renewed-12/08/1984
N/A	782,263 19641229	72-182,716 19631210	Federal Cartridge Company	Renewed-12/25/1984
AMERICAN EAGLE	783,485 19650119	72-182,717 19631210	Federal Cartridge Company	Renewed-03/26/1985
AMERICAN EAGLE	808,747 19660524	72-221,809 19650623	Federal Cartridge Company	Renewed-02/13/1986
AMERICAN EAGLE DESIGN	808,748 19660524	72-221,810 19650623	Federal Cartridge Company	Renewed-02/18/1986
AMERICAN EAGLE	808,014 19660510	72-221,874 19650623	Federal Cartridge Company	Renewed-10/06/1986
GREEN DOT	816,827 19661018	72-224,742 19650802	Alliant Techsystems Inc.	Renewed-02/03/1987
RELODER	816,481 19661011	72-224,743 19650802	Alliant Techsystems Inc.	Renewed-01/28/1987
RCBS	820,178 19661213	72-228,073 19650917	Alliant Techsystems Inc.	Renewed-04/16/1987

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Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
CCI	831,313 19670704	72-229,496 19651007	Alliant Techsystems Inc.	Renewed-03/07/1988
STRIPES DESIGN	840,725 19671219	72-239,033 19660217	Federal Cartridge Company	Renewed-03/07/1988
HI-SHOK	891,883 19700602	72-321,267 19690310	Federal Cartridge Company	Renewed-07/20/2001
N/A	907,400 19710209	72-330,264 19690617	Federal Cartridge Company	Renewed-12/11/2001
FEDERAL	908,894 19710302	72-330,266 19690617	Federal Cartridge Company	Renewed-05/24/2001
DUCK DESIGN	907,401 19710209	72-330,271 19690617	Federal Cartridge Company	Renewed-05/24/2001
TRIPLE-PLUS	920,023 19710914	72-370,988 19700908	Federal Cartridge Company	Renewed 12/01/2001
BLUE DOT	971,715 19731030	72-439,174 19721024	Alliant Techsystems Inc.	Renewed 01/07/2004
LUBE-A-MATIC	1,034,650 19760302	73-045,235 19750226	Alliant Techsystems Inc.	Renewed 05/09/1996
CHAMPION	1,054,411 19761214	73-086,683 19760510	Federal Cartridge Company	Renewed 11/14/1996
SPBER	1,102,083 19780912	73-130,800 19770617	Alliant Techsystems Inc.	Renewed-09/03/1998
SPBER	1,101,411 19780905	73-135,772 19770729	Alliant Techsystems Inc.	Renewed 08/06/1998
NYCLAD	1,148,863 19810324	73-191,115 19781027	Federal Cartridge Company	Renewed 02/22/2001
PREMIUM	1,298,731 19841002	73-200,936 19790115	Federal Cartridge Company	Registered
GOLD MEDAL	1,155,509 19810526	73-235,671 19791018	Federal Cartridge Company	Renewed-05/03/2001
ORBEX	1,226,681 19830208	73-276,843 19800908	Alliant Techsystems Inc.	Renewed-05/05/2003
O	1,189,479 19820209	73-276,900 19800908	Alliant Techsystems Inc.	Renewed-12/12/2002
ORBEX	1,189,222 19820209	73-276,903 19800908	Alliant Techsystems Inc.	Renewed-01/25/2003

Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
	1,172,163 19811006	73-276,937 19800908	Alliant Techsystems Inc.	Renewed-01/27/2003
ORBEX	1,195,816 19820518	73-276,942 19800908	Alliant Techsystems Inc.	Renewed-11/26/2002
ORBEX	1,194,957 19820511	73-278,298 19800918	Alliant Techsystems Inc.	Renewed-03/01/2003
CADDIE-BUOY	1,236,373 19830503	73-341,460 19811214	Alliant Techsystems Inc.	Renewed-07/14/2003
DRINK-BUOY	1,249,869 19830830	73-341,461 19811214	Alliant Techsystems Inc.	Renewed-09/13/2003
SAIL-BUOY	1,242,126 19830614	73-341,685 19811214	Alliant Techsystems Inc.	Renewed-09/13/2003
BLAZER	1,232,643 19830329	73-346,687 19820122	Alliant Techsystems Inc.	Renewed-10/19/2002
GREEN MACHINE	1,245,227 19830712	73-348,834 19820205	Alliant Techsystems Inc.	Registered
BIKE-BUOY	1,233,801 19831011	73-370,104 19820617	Alliant Techsystems Inc.	Renewed-09/13/2003
BANDIT	1,251,590 19830920	73-388,656 19820924	Alliant Techsystems Inc.	Registered
GOLF-BUOY	1,277,037 19840508	73-416,897 19830311	Alliant Techsystems Inc.	Registered
RED DOT	1,298,733 19841002	73-439,459 19830815	Alliant Techsystems Inc.	Registered
MICRO CRAFT	1,355,807 19850820	73-479,984 19840511	Micro Craft, Inc.	Registered
PRECISIONEERED	1,368,571 19851105	73-488,051 19840702	Alliant Techsystems Inc.	Registered
RAM-LINE	1,346,021 19850702	73-488,908 19840709	Alliant Techsystems Inc.	Registered
POST-PRIME	1,436,252 19870414	73-614,659 19860814	Alliant Techsystems Inc.	Registered
BELT PAK	1,439,101 19870512	73-614,909 19860815	Alliant Techsystems Inc.	Registered
AMMO CAN	1,437,237 19870421	73-615,038 19860815	Alliant Techsystems Inc.	Registered

Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
WEI	1,480,802 19880315	73-675,571 19870730	Alliant Techsystems Inc.	Registered
WARMINTER	1,570,827 19891212	73-685,946 19870924	Alliant Techsystems Inc.	Renewed 02/03/2000
SCORE KEEPER	1,521,117 19890117	73-729,519 19880517	Alliant Techsystems Inc.	Registered
CLASSIC HI-BRASS	1,595,232 19900508	73-799,199 19890511	Federal Cartridge Company	Renewed 07/29/2000
EXTRA-LITE	1,567,701 19891121	73-799,282 19890511	Federal Cartridge Company	Renewed 08/23/1999
OUTERS	1,632,806 19910129	73-804,844 19890605	Alliant Techsystems Inc.	Renewed 04/14/2001
TOP GUN	1,645,931 19910528	73-816,672 19890803	Federal Cartridge Company	Renewed 04/30/2001
HI-BRASS	1,596,295 19900515	73-816,683 19890803	Federal Cartridge Company	Renewed 07/19/2000
HI-POWER	1,607,415 19900724	73-826,026 19890918	Federal Cartridge Company	Renewed 05/16/2001
AMERICAN EAGLE	1,600,686 19900612	73-826,420 19890919	Federal Cartridge Company	Renewed 08/24/2000
NYCLAD	1,594,111 19900501	73-826,951 19890922	Federal Cartridge Company	Renewed 08/04/2000
HYDRA-SHOK	1,594,112 19900501	73-827,192 19890925	Federal Cartridge Company	Renewed 08/23/2000
TIMJ	1,600,687 19900612	73-833,272 19891023	Alliant Techsystems Inc.	Renewed 09/26/2000
MAXI MAG	1,600,688 19900612	73-833,273 19891023	Alliant Techsystems Inc.	Renewed 09/26/2000
LAWMAN	1,768,573 19930504	73-833,277 19891023	Alliant Techsystems Inc.	Renewed 11/24/2002
GREEN TAG	1,624,729 19901127	73-833,278 19891023	Alliant Techsystems Inc.	Renewed 04/07/2001
STINGER	1,608,156 19900731	73-833,352 19891023	Alliant Techsystems Inc.	Renewed 01/27/2001
HUNTERS FOR CONSERVATION	1,697,216 19920623	74-099,719 19900924	Federal Cartridge Company	Renewed-09/04/2002

Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
AMMOMASTER	1,690,080 19920602	74-107,890 19901022	Alliant Techsystems Inc.	Renewed-02/26/2003
EAGLE DESIGN	1,673,392 19920128	74-124,723 19901217	Federal Cartridge Company	Renewed-01/15/2002
AMERICAN EAGLE	1,671,071 19920107	74-130,306 19910114	Federal Cartridge Company	Renewed-01/15/2002
PALM RIDER	1,788,868 19930817	74-250,298 19920227	Federal Cartridge Company	Registered
GOLD MEDAL	1,909,268 19950801	74-319,397 19921002	Federal Cartridge Company	Registered
GOLD MEDAL	1,820,567 19940208	74-319,717 19921005	Federal Cartridge Company	Renewed-01/28/2004
PREMIUM SAFARI	1,778,868 19930629	74-326,416 19921029	Federal Cartridge Company	Renewed-09/25/2003
AMERICAN SPORTER	1,826,448 19940315	74-335,989 19921202	Alliant Techsystems Inc.	Registered
CASTOR 120	1,851,878 19940830	74-339,107 19921211	ATK Aerospace Company, Inc.	Registered
CASTOR	1,851,879 19940830	74-339,378 19921211	ATK Aerospace Company, Inc.	Registered
TACTICAL LOAD	1,980,333 19960618	74-340,096 19921214	Federal Cartridge Company	Registered
UNI-COR	1,797,732 19931012	74-363,505 19930226	Alliant Techsystems Inc.	Renewed-09/17/2003
GOLD DOT	1,898,839 19950613	74-363,507 19930226	Alliant Techsystems Inc.	Registered
CLEAN-FIRE	1,825,074 19940308	74-363,518 19930226	Alliant Techsystems Inc.	Registered
UC	1,812,059 19931221	74-363,605 19930226	Alliant Techsystems Inc.	Renewed-11/22/2003
FLIGHT MASTER	1,894,659 19950516	74-422,519 19930806	Alliant Techsystems Inc.	Registered
TRIM PRO	1,962,369 19960312	74-515,949 19940420	Alliant Techsystems Inc.	Registered
CASE MASTER	1,885,925 19950328	74-516,109 19940420	Alliant Techsystems Inc.	Registered

Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
CASE SLICK	1,892,898 19950509	74-516,120 19940420	Alliant Techsystems Inc.	Registered
POWER PULL	1,888,379 19950411	74-516,123 19940420	Alliant Techsystems Inc.	Registered
FEDERAL WING & CLAY	2,141,197 19980303	74-539,687 19940620	Federal Cartridge Company	Registered
SUPPORT THE SHOOTING SPORTS	1,989,022 19960723	74-539,689 19940620	Federal Cartridge Company	Registered
GOLD MEDAL ULTRA MATCH	1,963,786 19960326	74-555,011 19940729	Federal Cartridge Company	Registered
LITHIUM	1,953,264 19960130	74-644,949 19950308	Alliant Techsystems Inc.	Registered
TACTICAL	2,091,808 19970826	74-680,859 19950530	Federal Cartridge Company	Registered
QWIK POINT	1,991,115 19960806	74-694,038 19950626	Alliant Techsystems Inc.	Registered
NITREX	2,051,560 19970408	74-727,618 19950911	Alliant Techsystems Inc.	Registered
2400	2,062,642 19970520	74-731,661 19950920	Alliant Techsystems Inc.	Registered
POWER PISTOL	2,079,998 19970715	74-731,662 19950920	Alliant Techsystems Inc.	Registered
ALLIANT POWDER	2,002,913 19960924	74-731,664 19950920	Alliant Techsystems Inc.	Registered
APS	2,080,002 19970715	74-733,366 19950922	Alliant Techsystems Inc.	Registered
MULTI-PURPOSE	2,045,204 19970311	75-022,160 19951120	Alliant Techsystems Inc.	Registered
BALLISTIC CLEAN	2,012,000 19961029	75-027,145 19951204	Federal Cartridge Company	Registered
EXTRA-LITE	2,017,887 19961119	75-043,088 19960116	Federal Cartridge Company	Registered
AMERICAN SELECT	2,240,937 19990420	75-051,385 19960331	Alliant Techsystems Inc.	Registered
NON TOXIC LEAD FREE	2,165,014 19980616	75-066,814 19960304	Federal Cartridge Company	Registered

Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
PREMIUM	2,047,681 19970325	75-089,284 19960416	Federal Cartridge Company	Registered
OUTRIDER	2,240,979 19990420	75-132,893 19960711	Alliant Techsystems Inc.	Registered
PERSONAL DEFENSE	2,112,332 19971111	75-200,915 19961120	Federal Cartridge Company	Registered
FEDERAL PREMIUM SAFARI	2,125,468 19971230	75-212,225 19961212	Federal Cartridge Company	Registered
SYN-TECH	2,196,472 19981013	75-223,112 19970108	Alliant Techsystems Inc.	Registered
DVO	2,248,147 19990525	75-275,399 19970415	Alliant Techsystems Inc.	Registered
ECOCHAFF	2,243,426 19990504	75-275,760 19970415	Alliant Techsystems Inc.	Registered
STEEL	2,322,545 20000222	75-381,818 19971030	Alliant Techsystems Inc.	Registered
RC-130	2,245,875 19990518	75-436,601 19980218	Alliant Techsystems Inc.	Registered
HEAVY FIELD LOAD	2,235,542 19990323	75-443,609 19980303	Federal Cartridge Company	Registered
HUNTERS FOR CONSERVATION	2,305,500 20000104	75-475,045 19980427	Federal Cartridge Company	Registered
DIAL-A-SIZE	2,553,009 20020326	75-496,928 19980605	Alliant Techsystems Inc.	Registered
ALLIANT POWDER TECHNICALLY SUP	2,375,888 20000808	75-505,287 19980619	Alliant Techsystems Inc.	Registered
TECHNICALLY SUPERIOR BY DESIGN	2,683,928 20030204	75-505,575 19980619	Alliant Techsystems Inc.	Registered
READY LAUNCH	2,493,032 20010925	75-546,842 19980902	Alliant Techsystems Inc.	Registered
WHEEL DESIGN	2,669,449 20021231	75-563,730 19981005	Alliant Techsystems Inc.	Registered
PROMO	2,360,820 20000620	75-574,681 19981021	Alliant Techsystems Inc.	Registered
ITHIKOL PROPULSION	N/A	75-582,008 19981103	ATK Aerospace Company, Inc.	Pending-ITU

Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
ROLL YOUR OWN	2,525,604 20020101	75-633,005 19990203	Alliant Techsystems Inc.	Registered
ATK	2,782,133 20031111	75-640,985 19990216	Alliant Techsystems Inc.	Registered
ALLIANT MEDIA	2,598,400 20020723	75-662,813 19990311	Alliant Techsystems Inc.	Registered
ATK ALLIANT TECHSYSTEMS	2,779,766 20031104	75-675,705 19990326	Alliant Techsystems Inc.	Registered
KNOCKDOWN POWER	2,420,247 20010109	75-684,647 19990416	Federal Cartridge Company	Registered
DEEP-SHOK	2,472,138 20010724	75-684,648 19990416	Federal Cartridge Company	Registered
THE LEAD EQUIVALENT	2,416,493 20001226	75-686,172 19990416	Federal Cartridge Company	Registered
GOLD MEDAL	2,332,839 20000321	75-707,193 19990517	Federal Cartridge Company	Registered
PERSONAL DEFENSE	2,411,530 20001205	75-707,287 19990517	Federal Cartridge Company	Registered
FEDERAL PREMIUM	2,359,927 20000620	75-707,288 19990517	Federal Cartridge Company	Registered
CLASSIC	2,401,619 20001107	75-707,290 19990517	Federal Cartridge Company	Registered
FEDERAL CLASSIC	2,368,302 20000718	75-707,849 19990517	Federal Cartridge Company	Registered
RHT	2,416,529 20001226	75-711,697 19990521	Alliant Techsystems Inc.	Registered
VIRTUAL CELL	N/A	75-716,500 19990527	Alliant Techsystems Inc.	Pending-TTU
PREMIUM	2,401,652 20001107	75-716,522 19990524	Federal Cartridge Company	Registered
CASTCORE	2,545,317 20020305	75-757,183 19990722	Federal Cartridge Company	Registered
NDVIEWER	2,619,087 20020910	75-852,091 19991117	Alliant Techsystems Inc.	Registered
PRO 2000	2,548,145 20020312	75-882,162 19991227	Alliant Techsystems Inc.	Registered

Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
THE POWER PATTERN SYSTEM	2,514,162 20011204	75-897,397 20000114	Federal Cartridge Company	Registered
SPEER	2,501,004 20011023	75-921,690 20000217	Alliant Techsystems Inc.	Registered
SUPER SPORT	2,575,149 20020604	75-931,196 20000229	Alliant Techsystems Inc	Registered
HIGH VELOCITY 8 BALL BUCKSHOT	2,584,369 20020625	75-931,255 20000229	Alliant Techsystems Inc	Registered
ESTATE CARTRIDGE ECI & DESIGN	2,419,905 20010109	75-931,431 20000229	Alliant Techsystems Inc	Registered
ESTATE CARTRIDGE INC.	2,419,906 20010109	75-934,432 20000229	Alliant Techsystems Inc	Registered
TNT	2,475,437 20010807	75-940,859 20000310	Alliant Techsystems Inc.	Registered
IDAHO TERRITORY BULLETS	2,672,653 20030107	75-955,165 20000307	Alliant Techsystems Inc.	Registered
X DIE	2,563,180 20020423	76-090,336 20000717	Alliant Techsystems Inc.	Registered
GOLD DOT	2,512,419 20011127	76-169,278 20001121	Alliant Techsystems Inc.	Registered
TRAILBLAZER	2,574,516 20020528	76-177,955 20001208	Alliant Techsystems Inc.	Registered
COMPOSITE OPTICS, INCORPORATED	2,567,187 20020507	76-236,999 20010409	Composite Optics, Incorporated	Registered
LL	2,644,346 20021029	76-282,205 20010709	Federal Cartridge Company	Registered
PREMIUM	N/A	76-283,966 20010709	Federal Cartridge Company	Pending-ITU
COI	2,648,892 20021112	76-294,759 20010801	COI	Registered
RELODER	2,778,346 20031028	76-310,844 20010910	Alliant Techsystems Inc.	Registered
RELODER 10X	N/A	76-312,651 20010912	Alliant Techsystems Inc.	Pending-ITU
RIMFIRE VELOCITOR AMMUNITION	2,720,888 20030603	76-389,940 20020402	Alliant Techsystems Inc.	Registered

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Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
410	2,803,714 2004/01/06	78-149,187 2002/07/31	Alliant Techsystems Inc.	Registered
OUTFITTER JOURNAL	2,805,988 2004/01/13	78-172,011 2002/10/08	Alliant Techsystems Inc.	Registered
CAPE SHOK	N/A	78-218,021 2003/02/24	Alliant Techsystems Inc.	Pending-ITU
VITAL SHOK	N/A	78-218,028 2003/02/24	Alliant Techsystems Inc.	Pending-ITU
V SHOK	N/A	78-218,036 2003/02/24	Alliant Techsystems Inc.	Pending-ITU
MAG SHOK	N/A	78-218,042 2003/02/24	Alliant Techsystems Inc.	Pending-ITU
ULTRA SHOK	N/A	78-218,046 2003/02/24	Alliant Techsystems Inc.	Pending-ITU
WING SHOK	N/A	78-218,052 2003/02/24	Alliant Techsystems Inc.	Pending-ITU
POWER SHOK	N/A	78-218,058 2003/02/24	Alliant Techsystems Inc.	Pending-ITU
SPEED SHOK	N/A	78-218,070 2003/02/24	Alliant Techsystems Inc.	Pending-ITU
GAME SHOK	N/A	78-218,074 2003/02/24	Alliant Techsystems Inc.	Pending-ITU
HOT-COR	N/A	78-224,157 2003/03/11	Alliant Techsystems Inc.	Pending
HOT-COR	N/A	78-224,195 2003/03/11	Alliant Techsystems Inc.	Pending
EVADOR	N/A	78-252,977 2003/05/22	Federal Cartridge Company	Pending-ITU
RCBS	N/A	78-272,013 2003/07/09	Alliant Techsystems Inc.	Pending
RCBS	N/A	78-272,016 2003/07/09	Alliant Techsystems Inc.	Pending
RCBS	N/A	78-272,019 2003/07/09	Alliant Techsystems Inc.	Pending
RCBS	N/A	78-272,027 2003/07/09	Alliant Techsystems Inc.	Pending

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Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
KICM	N/A	78-286,411 20030812	Alliant Techsystems Inc.	Pending-ITU
R2LP	N/A	78-293,294 20030828	Federal Cartridge Company	Pending-ITU
N/A	N/A	78-313,114 20031014	Federal Cartridge Company	Pending-ITU
N/A	N/A	78-313,162 20031014	Federal Cartridge Company	Pending-ITU
N/A	N/A	78-313,169 20031014	Federal Cartridge Company	Pending-ITU
ROCK STEADY	N/A	78-322,165 20031103	Alliant Techsystems Inc.	Pending-ITU
STEADY RAX	N/A	78-322,438 20031103	Alliant Techsystems Inc.	Pending-ITU
KNOCKDOWN POWER	N/A	78-324,312 20031106	Federal Cartridge Company	Pending-ITU
ROCKMOUNT	N/A	78-329,822 20031119	Alliant Techsystems Inc.	Pending-ITU
QUAD LOCK	N/A	78-329,826 20031119	Alliant Techsystems Inc.	Pending-ITU
LOW RECOIL	N/A	78-330,306 20031119	Federal Cartridge Company	Pending-ITU
VISI-SHOT	N/A	78-330,833 20031120	Alliant Techsystems Inc.	Pending-ITU
HIGH FLY	N/A	78-331,428 20031121	Alliant Techsystems Inc.	Pending-ITU
SKYBIRD	N/A	78-331,431 20031121	Alliant Techsystems Inc.	Pending-ITU
MATCHBIRD	N/A	78-331,435 20031121	Alliant Techsystems Inc.	Pending-ITU
STEADY POD	N/A	78-331,996 20031124	Alliant Techsystems Inc.	Pending-ITU
STALK STICK	N/A	78-331,998 20031124	Alliant Techsystems Inc.	Pending-ITU
GUN SPIKE	N/A	78-331,999 20031124	Alliant Techsystems Inc.	Pending-ITU

Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
FEDERAL	N/A	78-332,009 20031124	Federal Cartridge Company	Pending-ITU
STEADY POINT	N/A	78-332,013 20031124	Alliant Techsystems Inc.	Pending-ITU
PREMIUM	N/A	78-332,019 20031124	Federal Cartridge Company	Pending-ITU
INDEPENDENCE	N/A	78-332,022 20031124	Federal Cartridge Company	Pending-ITU
FEDERAL	N/A	78-332,026 20031124	Federal Cartridge Company	Pending-ITU
PREMIUM	N/A	78-332,029 20031124	Federal Cartridge Company	Pending-ITU
SLING LOK	N/A	78-332,050 20031124	Alliant Techsystems Inc.	Pending-ITU
ZSHOOTERS RIDGE	N/A	78-332,198 20031124	Alliant Techsystems Inc.	Pending-ITU
X-RAY	N/A	78-336,888 20031205	Alliant Techsystems Inc.	Pending-ITU
STEADY BAG	N/A	78-336,890 20031205	Alliant Techsystems Inc.	Pending-ITU
ONE AND ONLY	N/A	78-339,079 20031210	Alliant Techsystems Inc.	Pending-ITU
OUTFITTER	N/A	78-342,229 20031217	Alliant Techsystems Inc.	Pending-ITU
OUTFITTER	N/A	78-342,279 20031217	Alliant Techsystems Inc.	Pending-ITU
ATK THIKOL PROPULSION	N/A	78-343,271 20031219	Alliant Techsystems Inc.	Pending-ITU
ATK THIKOL PROPULSION	N/A	78-343,274 20031219	Alliant Techsystems Inc.	Pending-ITU
ATK THIKOL PROPULSION	N/A	78-343,608 20031219	Alliant Techsystems Inc.	Pending-ITU
N/A	N/A	78-346,828 20031231	Alliant Techsystems Inc.	Pending-ITU
OUTFITTER LOGO	N/A	78-347,032 20031231	Alliant Techsystems Inc.	Pending-ITU

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Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
INDEPENDENCE	N/A	78-349,715 20040109	Federal Cartridge Company	Pending-ITU
N/A	N/A	78-350,077 20040109	Alliant Techsystems Inc.	Pending-ITU
N/A	N/A	78-350,084 20040109	Alliant Techsystems Inc.	Pending-ITU
THREE-IN-A-ROW	N/A	78-350,156 20040109	Alliant Techsystems Inc.	Pending-ITU
FEDERAL PREMIUM	N/A	78-352,213 20040115	Alliant Techsystems Inc.	Pending-ITU
ROW	N/A	78-355,521 20040122	Alliant Techsystems Inc.	Pending
LOW OUTDOOR WRITERS	N/A	78-355,524 20040122	Alliant Techsystems Inc.	Pending
SHOOTERS RIDGE	N/A	78-286,178 20030812	Federal Cartridge Company	Registered
SHOOTERS RIDGE	N/A	78-357,353 20040126	Alliant Techsystems Inc.	Pending-ITU
SHOOTERS RIDGE	N/A	78-357,425 20040126	Alliant Techsystems Inc.	Pending-ITU
GOLD MATCH	N/A	78-357,665 20040126	Alliant Techsystems Inc.	Pending
IN-SIGHT	N/A	78-360,855 20040202	Alliant Techsystems Inc.	Pending-ITU
IN SIGHT	N/A	78-360,989 20040202	Alliant Techsystems Inc.	Pending-ITU
SYLRAMIC		78-363,911 20040206	Composite Optics Inc.	Pending
S	N/A	78-369,291 20040217	Alliant Techsystems Inc.	Pending-ITU
S	N/A	78-369,294 20040217	Alliant Techsystems Inc.	Pending-ITU
NDE VIEWER	N/A	78-370,385 20040219	Alliant Techsystems Inc.	Pending
CHAMPION	N/A	78-373,938 20040225	Alliant Techsystems Inc.	Pending

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Trademark	Reg. No. Reg. Date	Serial No. Filing Date	Owner	Status
CHAMPION TRAPS & TARGETS CRIT	N/A	78-374,572 20040226	Alliant Techsystems Inc.	Pending
CHAMPION TRAPS & TARGETS CRIT	N/A	78-376,070 20040301	Alliant Techsystems Inc.	Pending
CHAMPION TRAPS & TARGETS CRIT	N/A	78-376,071 20040301	Alliant Techsystems Inc.	Pending
CHAMPION	N/A	78-376,467 20040301	Alliant Techsystems Inc.	Pending
CHAMPION TRAPS & TARGETS	N/A	78-376,470 20040301	Alliant Techsystems Inc.	Pending
CHAMPION	N/A	78-376,474 20040301	Alliant Techsystems Inc.	Pending
CHAMPION TRAPS & TARGETS	N/A	78-376,545 20040301	Alliant Techsystems Inc.	Pending
CHAMPION TRAPS & TARGETS	N/A	78-376,548 20040301	Alliant Techsystems Inc.	Pending
MISCELLANEOUS DESIGN	1,346,022 19850702	73-488,909 19840709	Alliant Techsystems Inc.	Registered

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