

10-01-1999



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ATTN. BOX ASSIGNMENTS

To the Honorable Commissioner of Patents and
Please record the attached original documents o

1. Name of conveying party(ies):
General Dynamics Defense Systems, Inc.
MRD
9-29-99

2. Name and address of receiving party(ies):
Name: General Dynamics Land Systems, Inc.

Additional name(s) of conveying party(ies) attached? Yes No

Internal Address:

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name

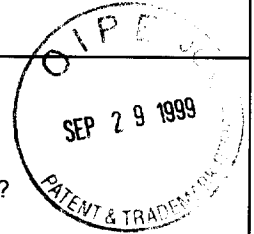
Street Address: 38500 Mound Road

City: Sterling Heights

State: Michigan Zip Code: 48310-3248

Other

Additional name(s) & Address(es) attached?
 Yes No



Execution Date: September 27, 1999

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application:

A. Patent Application Number(s):
SEE SCHEDULE A

B. Patent Number(s):
SEE SCHEDULE A

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Bruce C. Zotter
Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

6. Total number of applications and registrations involved: 34

7. Total fee (37 CFR 3.41): \$ 1,360.00

X Enclosed (Please charge deficiency to deposit account)

X Authorized any deficiencies be charged to deposit account

Street Address: 1300 I Street, N.W.

City: Washington

State: DC Zip: 20005-3315

8. Deposit account number: 06-0916

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.

10/01/1999 MTHAI1 00000086 4183264
Bruce C. Zotter
1360.00 DP
Bruce C. Zotter

B. C. Zotter
Signature

September 29, 1999
Date

Total number of pages including cover sheet, attachments and documents: 8

SCHEDULE A

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| U.S. Patent No. 4,183,264 Serial No. 05/657,456 | Issued: 01/15/80 Filed: 02/12/76 |
| U.S. Patent No. 4,345,488 Serial No. 06/142,033 | Issued: 08/24/82 Filed: 04/21/80 |
| U.S. Patent No. 4,485,691 Serial No. 06/411,903 | Issued: 12/04/84 Filed: 08/26/82 |
| U.S. Patent No. 4,574,931 Serial No. 06/468,638 | Issued: 03/11/86 Filed: 02/22/83 |
| U.S. Patent No. 4,682,515 Serial No. 06/659,680 | Issued: 07/28/87 Filed: 10/11/84 |
| U.S. Patent No. 4,799,401 Serial No. 07/098,165 | Issued: 01/24/89 Filed: 09/18/87 |
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| U.S. Patent No. 4,848,186 Serial No. 07/137,480 | Issued: 07/18/89 Filed: 12/23/87 |
| U.S. Patent No. 4,951,466 Serial No. 07/364,945 | Issued: 08/28/90 Filed: 06/12/89 |
| U.S. Patent No. 4,997,412 Serial No. 07/456,415 | Issued: 03/05/91 Filed: 12/26/89 |
| U.S. Patent No. 5,030,177 Serial No. 07/515,026 | Issued: 07/09/91 Filed: 04/26/90 |
| U.S. Patent No. 5,080,209 Serial No. 07/597,602 | Issued: 01/14/92 Filed: 10/15/90 |



SCHEDULE A (CONT'D.)

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| U.S. Patent No. 5,168,946 Serial No. 07/756,738 | Issued: 12/08/92 Filed: 09/09/91 |
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| U.S. Patent No. 5,403,243 Serial No. 08/074,555 | Issued: 04/04/95 Filed: 06/11/93 |
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| U.S. Patent No. 5,486,142 Serial No. 08/342,472 | Issued: 01/23/96 Filed: 11/21/94 |
| U.S. Patent No. 5,493,862 Serial No. 08/333,688 | Issued: 02/27/96 Filed: 11/03/94 |
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| U.S. Patent No. 5,531,072 Serial No. 08/414,813 | Issued: 07/02/96 Filed: 03/31/95 |
| U.S. Patent No. 5,535,589 Serial No. 08/380,268 | Issued: 07/16/96 Filed: 01/30/95 |
| U.S. Patent No. 5,540,048 Serial No. 08/380,269 | Issued: 07/30/96 Filed: 01/30/95 |
| U.S. Patent No. 5,542,336 Serial No. 08/423,069 | Issued: 08/06/96 Filed: 04/17/95 |
| U.S. Patent No. 5,575,152 Serial No. 08/465,631 | Issued: 11/19/96 Filed: 06/05/95 |
| U.S. Patent No. 5,642,617 Serial No. 08/453,545 | Issued: 07/01/97 Filed: 10/16/95 |

SCHEDULE A (CONT'D.)

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Serial No. 08/423,255

Issued: 09/16/97
Filed: 04/17/95

U.S. Patent No. 5,678,405
Serial No. 08/418,692

Issued: 10/21/97
Filed: 04/07/95

U.S. Patent No. 5,730,678
Serial No. 08/608,389

Issued: 03/24/98
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U.S. Patent No. 5,830,097
Serial No. 08/857,501

Issued: 11/03/98
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U.S. Patent No. 5,896,745
Serial No. 08/848,619

Issued: 04/27/99
Filed: 09/29/97

SCHEDULE A (CONT'D.)

Applications

U.S. Patent No. _____
Serial No. 07/640,645

Issued: _____
Filed: 01/14/91

ASSIGNMENT

WHEREAS **General Dynamics Defense Systems, Inc.**, a corporation of Delaware, having an office at 3190 Fairview Park Drive, Falls Church, Virginia 22042-4523 USA (hereinafter referred to as "Assignor"), is the owner of certain inventions and related Letters Patent and Applications for Letters Patent in the United States and in other countries, the Letters Patent and the Applications for Letters Patent in the United States being set forth in Schedule A attached hereto;

WHEREAS, **General Dynamics Land Systems, Inc.**, a corporation of Delaware, having an office at 38500 Mound Road, Sterling Heights, Michigan 48310-3248 USA (hereinafter referred to as "Assignee"), is desirous of securing the entire right, title, and interest in and to all these inventions, Letters Patent, and Applications for Letters Patent, including any and all Letters Patent to be issued upon these Applications for Letters Patent in all countries throughout the world, and their forebears;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, and pursuant to the Asset Transfer Agreement dated as of January 1, 1998, inter alia by and between Assignor and Assignee, Assignor has sold, assigned, transferred, and set over, and does hereby sell, assign, transfer, and set over unto Assignee, its lawful successors and assigns, Assignor's entire right, title, and interest in and to all the aforesaid inventions, Letters Patent, Applications for Letters Patent, any and all Letters Patent which may issue from

said Applications for Letters Patent, and their forebears, and all continuations, divisions, extensions, reissues, and reexaminations of said Letters Patent, said Applications for Letters Patent, said Letters Patents which may issue from said Applications for Letters Patent, and said forebears in the United States and all countries foreign thereto; and Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue Letters Patent on Applications as described above, to issue all Letters Patent for these inventions to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, ASSIGNOR HEREBY covenants that it has the full right to convey the interests assigned by this Assignment, and that it has not executed and will not execute any agreement in conflict with this Assignment;

AND, ASSIGNOR HEREBY further covenants and agrees that it will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to it respecting these inventions, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to these inventions in said Assignee, its successors or assigns, execute all continuation, divisional, extension, reissue, and reexamination applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for these inventions in the United States and any foreign country, it being

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