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J.S. DEPARTMENT OF COMMERCE  
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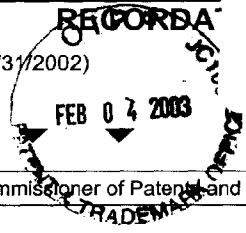


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Atty Docket: 32140-184376



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

1. Name of conveying party(ies):

Jürgen KOLODZEY  
Thomas HEITMANN  
Michael IMDAHL  
Michael VAGEDES

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

2. Name and address of receiving party(ies)

Name: Rheinmetall W & M GmbH

Internal Address: \_\_\_\_\_

Street Address: Heinrich-Ehrhardt-Strasse 2

City: Unterlüss Country: Germany

Zip: D-29345

Additional Name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Execution Date: January 9, 2003 respectively.

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 by the first named inventor is:

A. Patent Application No.(s)  
10/303,060

B. Patent No.(s)

Additional numbers attached?  Yes  No

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



26694

PATENT TRADEMARK OFFICE

Name: VENABLE

Address: P.O. Box 34385

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City: Washington State: D.C. Zip: 20043-9998

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) . . . . . \$ 40.00

- Enclosed
- Authorized to be charged to deposit account

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22-0261

(Attach duplicate copy of this page if paying by deposit account)

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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.

Norman N. Kunitz, Reg. No. 20,586

Name of Person Signing

Signature

February 4, 2003

Date

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

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

**VENABLE**  
ATTORNEYS AT LAW

PC Docs No. 432039

**PATENT**  
**REEL: 013728 FRAME: 0514**

Attorney Docket: 32140-184376

ASSIGNMENT OF APPLICATION FOR UNITED STATES PATENT

WHEREAS Jürgen KOLODZEY of Fassberg/Müden, Germany, Thomas HEITMANN of Unterlüss, Germany, Michael IMDAHL of Unterlüss, Germany and Michael VAGEDES of Hermannsburg, Germany, hereinafter (collectively) referred to as the assignor, have invented a certain improvement relating to FULL-CALIBER PROJECTILE, for which said assignor has caused an application for a United States Patent to be prepared,

[ ] the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the U.S. Patent and Trademark Office;

[ XX ] said application having been filed in the U.S. Patent and Trademark Office on November 25, 2002, and given Application No. \_\_\_\_\_

[ ] said application having been filed under the Patent Cooperation Treaty on \_\_\_\_\_, and given International Application No. \_\_\_\_\_, the United States of America having been designated.

AND WHEREAS Rheinmetall W & M GmbH, Heinrich-Ehrhardt-Str. 2, 29345, Unterlüss, Germany, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any divisions and continuations thereof, and in and to said invention and any patents which may be granted therefor, including any renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the entire and exclusive right, title and interest in and to said invention and to said application, including any divisions and continuations thereof, and in any patents which may be granted therefor, including any renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said invention and said application, including any divisions and continuations thereof, and any patents which may be granted therefor, including any renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any such patents when granted, including any renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any acts relating to the obtaining or to the asserting of said patents, including any renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue a Patent on said application, and on any divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED this 09 day of Jan., 2003.

ASSIGNOR:

Signature: [Signature]

Name: Jürgen KOLODZEY

WITNESS:

Signature: [Signature]

Name: Silvia Bruske

Address: Dorfstr. 10  
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Germany

WITNESS:

Signature: [Signature]

Name: Thomas Heitmann

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Continued on Page 2

ASSIGNMENT OF APPLICATION FOR UNITED STATES PATENT

EXECUTED this 9 day of January, 2003.

ASSIGNOR: Signature: [Signature]  
Name: Thomas HEITMANN

WITNESS: Signature: S. Brinke  
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EXECUTED this 9 day of January, 2003.

ASSIGNOR: Signature: M. Imdahl  
Name: Michael IMDAHL

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EXECUTED this 9 day of January, 2003.

ASSIGNOR: Signature: [Signature]  
Name: Michael VAGEDES

WITNESS: Signature: S. Brinke  
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WITNESS: Signature: J. Kunt  
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