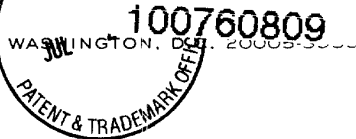


MRO 7-1-98

07-13-1998

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TO THE HONORABLE COMMISSIONER OF
PATENTS AND TRADEMARKS
WASHINGTON, D.C. 20231

Attorney Reference:
RHNMT 3020.01

REQUEST FOR RECORDING AND COVER SHEET UNDER 37 C.F.R. 3.28 AND 3.31

Please record the attached original document(s) or copy(ies) thereof.

1. Name of party conveying the interest:
Helmut NEFF
Alexei VORONOV
Dirk KILFITT
2. Name and address of party receiving the interest:
Rheinmetall Industrie AG
Pempelfurtstrasse 1
D-40880 Ratingen, Germany
- and -
TZN Forschungs- und Entwicklungszentrum Unterlüss GmbH
Neuensothriether Strasse 20
D-29345 Unterlüss, Germany
3. Description of the interest conveyed or transaction to be recorded:
 Assignment Other:
4. Application Number: 09/053,523
Patent Number:
Registration Number:
 Document filed together with a patent application executed on _____
5. Address correspondence concerning this request to: SPENCER & FRANK,
Suite 300 East, 1100 New York Avenue, N.W.
Washington, D.C. 20005-3955
6. Number of Applications, Patents or Registrations and total fee:
Patents: 1 patent rights @ \$40 Total: \$40.00
-or-
Trademarks: First trademark right @ \$40
 additional trademark rights @ \$25 \$ Total: \$
If no fee is attached, or if a greater or lesser fee is required, please charge or credit out Account No. 19-3700.
7. Date of execution of document: April 30, 1998, May 7, 1998, May 6, 1998.
8. If document is an assignment of a trademark right to an assignee who is not domiciled in the United States, such assignee has designated a domestic representative
 per attached designation other:
9. To the best of knowledge and belief of the undersigned, the foregoing information is true and correct and any attached copy is a true copy of the original document.
Date: July 2, 1998 **40.00 CP**

07/08/1998 BUSINESS 00000074 0903523
103 FC:580

Name: Gabor J. Kelemen

Registration Number: PATENT 21,016
REEL: 929T FRAME: 0172

ASSIGNMENT

Attorney Docket

OF APPLICATION FOR UNITED STATES LETTERS PATENT

BMNMT 3020.01

WHEREAS Helmut NEFF of Hermannsburg, Alfred VORONOV of Unterlüs and Dirk KILFITT of Velbert, all of Germany hereinafter (collectively) referred to as the assignor, has invented a certain improvement relating to METHOD AND APPARATUS FOR DESTROYING HIDDEN LAND MINES for which said assignor has caused an application for United States Letters 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 United States Patent and Trademark Office;

[X] said application having been filed in the United States Patent and Trademark Office on April 2, 1998, Serial Number [if known] NOT KNOWN

[] said application having been filed under the Patent Cooperation Treaty on _____, Serial No. _____, the United States of America being designated.

AND WHEREAS Rheinmetall Industrie AG

Pennelfurtstrasse 1

D-40880 Ratingen, Germany

- and -

TZN Forschungs- und Entwicklungszentrum Unterlüs GmbH

Neuenrothriether Strasse 20

D-29345 Unterlüs, Germany

hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all 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 application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all 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 and all such patents when granted, including any and all 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 and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

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

EXECUTED, this 30th day of April, 1998.

WITNESSES:

nature:

name:

address:

nature:

name:

address:

ASSIGNOR:

Signature:

Name:

Helmut NEFF

F. Cladding
E. Maria Helcher
Rua Jacquin Caraca, Campinas Grande
Brazil
Ramundo C.S. Freire
Ramundo C.S. Freire
Rua Carlos A. Souza 409, C. Grande, Brazil

I hereby certify that the Patent and Trademark Office has advised that the application identified herein has been assigned Application Number 09/053,523.

Date: July 2, 1998
Gabor J. Kelemen
Reg. No. 21,016 CONTINUED

SPENCER & FRANK, Washington, D.C.

323

ASSIGNMENT
OF APPLICATION FOR UNITED STATES LETTERS PATENT
Page 2

Attorney Docket
RHNMT 3020.01

Title: METHOD AND APPARATUS FOR DESTROYING HIDDEN LAND MINES

EXECUTED, this 7 day of May, 1998.

WITNESSES:

Signature: [Signature]

Name: Jens Könnig

Address: Amselweg 10,
19322 Wittenberge, Germany

Signature: [Signature]

Name: Andreas Arndt

Address: Lindenallee 12
31191 Hagenmissen

ASSIGNOR:

Signature: [Signature]

Name: Alexei VORONOV

Alexei Voronov

EXECUTED, this 6 day of May, 1998.

WITNESSES:

Signature: [Signature]

Name: Werner Trennhaus

Address: Heinrichstr. 104
D-40239 Düsseldorf

Signature: [Signature]

Name: Peter M. Buch

Address: Moltkestr. 101
D-40478 Düsseldorf

ASSIGNOR:

Signature: [Signature]

Name: Dirk KILFITT