08-15-2008 AUG | 2 2008 Commissioner of Patents & Trademarks Washington, D.C. 20231 U.S. DEPARTMENT OF COMMERCE Form PTO-1595 103519992 (Rev. 03/01) U.S. PATENT AND TRADEMARK OFFICE To the honorable Commissioner of inauents and Trademarks: Please record the attached criginal document or copy thereof: 1. Name of Conveying Party(ies): Name and Address of Receiving Party(ies): Name: Bauer Maschinen GmbH Claus Willi BECKER Street Address: Bernhard Werner SCHWARK-WERWACH Wittelsbacherstr. 5 Thomas Matthias KLAPOETKE Street Address: City: Schrobenhausen State/Country: 86529 Postal Code: Germany Additional name(s) and addresses attached? L. Yes No 3. Nature of Conveyance: ☐ Change of Name Assignment Security Agreement U Other: **Execution Date:** 06262008, 06202008 and 07092008 4. Application Number(s) or Patent Number(s): igspace Assignment is being filed together with new application and the first execution date of application is : Application has been filed already and the application filing date is: 05072008 B. Issued Patent Number(s): A. Patent Application Number(s): 12/149.754 Additional numbers attached? Yes No 6. Total number of applica-5. Name and address of party to whom correspondence 1 tions and patents involved: concerning this matter should be mailed: 7. Total Fee (37 CFR 3.41): \$40.00 CUSTOMER NUMBER 00136 -or-JACOBSON HOLMAN PLLC Enclosed 400 Seventh Street, N.W. Any deficiencies in enclosed fees are Washington, D.C. 20004-2218 authorized to be charged to Deposit Tel. 202-638-6666 Account No. 06-1358. P72590US0 U8/13/2008 MAHMED1 00000047 12149754 Attorney Docket Number: DO NOT USE THIS SPACE 91 FC:0021 and correct and any attached copy is a true 8. Statement and Signature: To the best of my knowledge and belief, the foregod copy of the original document. August 12, 2008

Signature

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

Name of Person Signing, Reg. No.

Allen S. Melser

JCH 103-2/02

27,215

PATENT REEL: 021400 FRAME: 0864

Date

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The following are Assignees names and addresses that would not fit on the Assignment form fort he application filed on May 7, 2008 and assigned serial No. <u>12/149,754</u>.

Additional Assignees:

- BECKER, Claus Willi Johannes-Thal-Str. 24
 99734 Nordhausen / Germany a Citizen of Germany
- 3) SCHWARK-WERWACH, Bernhard Werner Bansenstr. 521075 Hamburg / Germany a Citizen of Germany
- 4) Perforator GmbHBei dem Gerichte37445 Walkenried / Germanya Corporation of Germany

PATENT REEL: 021400 FRAME: 0865

UNITED STATES OF AMERICA - ASSIGNMENT (1-5)Insert Name(s) of Inventors BECKER, Claus Willi Bernhard Werner SCHWARK-WERWACH, (2)Thomas Matthias (3)(4)(5) In consideration of the sum of one dollar (\$1.00), and other good and valuable considerations paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assigns, transfers and sets over to Bauer Maschinen GmbH (6) Insert Name of Assignee (6)Wittelsbacherstr. 5, 86529 Schrobenhausen (7) Insert Address of Assignee (7)Germany (8) (8)<u>corporation</u> of Insert Legal Entity and State or (hereinafter designated as the Assignee) the entire right, title and interest for the United States, its Country (e.g., a corporation or citizen of Japan) territories, dependencies and possessions, in the Invention known as Insert Identification of Invention, Device and method for explosive drilling (9) (9) such as Title, Case Number or Foreign Application Number for which the undersigned has (have) executed an application for patent in the United States of Sald application having been executed/filed on May 7, 2008 (and assigned Insert Date of signing of (10)(10)Application, or filing date and Serial No. 12/149,754) Serial No., if known 1) The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing or divisional applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient. 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this or any continuing or divisional applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference. 3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims provisions of the International Union for Protection of Industrial Property or similar agreements. 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents United States resulting from this application or any continuing or divisional applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute any agreement in conflict herewith. 6) Assignor hereby further assigns to Assignee all claims and causes of action for infringement of the patent rights assigned herein, including right to sue for, and collect damages for, any and all acts of past and future infringement. 7) The undersigned hereby grant(s) the law firm of Jacobson Holman PLLC, 400 Seventh Street, N.W., Washington, D.C. 20004, the power to Insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document. In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name Name of Inventor BECKER, Claus Willi typed name Name of Inventor SCHWARK-WERWACH Date typed name (SEAL) Name of Inventor KLAPOETKE, T.M. 07.09.08 Date signature typed name (SEAL)

Name of Inventor Date signature typed name (SEAL) Name of Inventor signature Date typed name This assignment should preferably be signed before a United States Consul if signed abroad, or a Notary Public if domestically signed. If not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here;

LAW OFFICES OF

Witness

Witness

JACOBSON HOLMAN

PROFESSIONAL LIMITED LIABILITY COMPANY THE JENIFER BUILDING 400 SEVENTH STREET, N.W. WASHINGTON, D.C. 20004

JH 5/01 (Copying without deletions permitted)

RECORDED: 08/12/2008

Additional inventor's names and

on a separate sheet.

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