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FORM PTO-1595

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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

OVER SHEET  
NY

Attorney Docket No.: 47121-5018-00-US

To the Commissioner for Patents  
Please record the attached original documents or copy thereof.

ATTN: BOX ASSIGNMENT

1. Name of conveying party(ies):

- 1. Markku KESKINIVA
- 2. Jorma MÄKI
- 3. Mauri ESKO
- 4. Erkki AHOLA
- 5. Aimo HELIN
- 6. Timo MUUTTONEN



Additional names of conveying party(ies) attached? NO

2. Name and address of receiving party(ies):

- 1. SANDVIK TAMROCK OY  
Pihitkulunkatu 9, FI-33330 Tampere, Finland

Additional name(s) & address(es) attached? NO

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other
- Merger
- Change of Name

Execution Date: January 9, 2006

4. New Application number(s) or patent number(s):

U.S. Application No. **10/563,821**

If this document is being filed together with a new application the execution date of the application is:

Additional numbers attached: No

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

Name: Ronald L. Grudziecki

Internal Address: Drinker Biddle & Reath LLP  
Customer No. 55694

Street Address: 1500 K Street, N.W., Suite 1100  
City: Washington State: D.C. Zip: 20005

6. Total number of applications and patents involved: **1**

7. Total fee (37 C.F.R. §3.41): **\$40.00**

Enclosed

Authorized to be charged to Deposit Account  
(if necessary)

8. Deposit Account No. 50-0573  
(Attach duplicate page if paying by deposit account)

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.

Jeffrey G. Killian  
Name of Person Signing  
Reg. No. 50,891

September 26, 2006  
Date

Total number of pages including cover sheet (in duplicate), attachments and documents: **3**

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ATTORNEY DOCKET NO.:  
JOINT INVENTION  
(U.S. Rights Only)

**ASSIGNMENT**

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

**Impact device and method for generating stress pulse therein**

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on \_\_\_\_\_, (Serial No. \_\_\_\_\_); and

WHEREAS, SANDVIK TAMROCK OY, a corporation of Finland, whose post office address is Pihtisulunkatu 9, FI-33330 Tampere, Finland, (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue 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 this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parenthesis (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

Full Name of Sole or First Assignor Markku KESKINIVA	Assignor's Signature 	Date 9.1.06
Address Pikkusaarencuja 5 B 32, FI-33410 Tampere, Finland		Citizenship Finnish
Full Name of Second Assignor Jorma MÄKI	Assignor's Signature 	Date 9.1.-06
Address Sorvajärventie 35, FI-34140 Mutala, Finland		Citizenship Finnish
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

Attorney Docket No.:

<b>Full Name of Third Assignor</b> Mauri ESKO	Assignor's Signature <i>Mauri Esko</i>	Date 9.1.06
Address Kolkontie 174, FI-39500 Ikaalinen, Finland		Citizenship Finnish
<b>Full Name of Fourth Assignor</b> Erkki AHOLA	Assignor's Signature <i>Erkki Ahola</i>	Date 9.1.06
Address Topiaksentie 11, FI-36240 Kangasala, Finland		Citizenship Finnish
<b>Full Name of Fifth Assignor</b> Aimo HELIN	Assignor's Signature <i>Aimo Helin</i>	Date 9.1.06
Address Lannemäentie 49 F 14, FI-33340 Tampere, Finland		Citizenship Finnish
<b>Full Name of Sixth Assignor</b> Timo MUUTTONEN	Assignor's Signature <i>Timo Muuttanen</i>	Date 9.1.06
Address Omenapolku 13, FI-37200 Siuro, Finland		Citizenship Finnish
<b>Full Name of Seventh Assignor</b>	Assignor's Signature	Date
Address		Citizenship
<b>Full Name of Eighth Assignor</b>	Assignor's Signature	Date
Address		Citizenship
<b>Full Name of Ninth Assignor</b>	Assignor's Signature	Date
Address		Citizenship
<b>Full Name of Tenth Assignor</b>	Assignor's Signature	Date
Address		Citizenship
<b>Full Name of Eleventh Assignor</b>	Assignor's Signature	Date
Address		Citizenship
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

PATENT