

FORM PTO-1595
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DEPARTMENT OF COMMERCE
Patent and Trademark Office



103139487

Attorney Docket No.: 47121-5013

To the Commissioner for Patents

ATTN: MAIL STOP ASSIGNMENT RECORDATION SERVICES

Please record the attached original documents or copy thereof.

12-12-05

1. Name of conveying party(ies):
Hannu MÄKELÄ
 Additional names of conveying party(ies) attached?
 Yes No

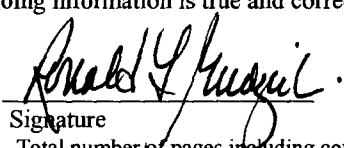
2. Name and address of receiving party(ies):
 Name: **SANDVIK TAMROCK OY**
 Internal Address:
 Street Address: **Pihtisulunkatu 9,
 FI-33330 Tampere, Finland**
 City:
 State: Zip:
 Additional name(s) & address(es) attached?
 Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
 Execution Date: November 22, 2005

4. New Application number(s) or patent number(s):
 If this document is being filed together with a new application the execution date of the application is:
 A. Patent Application No.(s) 11/232,262 B. Patent No.(s)
 Additional numbers attached: Yes 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: **20005-1209**

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 50-0573
 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.
Ronald L. Grudziecki, Reg. No. 24,970  December 12, 2005
 Name of Person Signing Signature Date
 Total number of pages including cover sheet, attachments and documents: 2

DC\548570\1

ATTORNEY DOCKET NO.: 47121-5013
 SOLE/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:

METHOD FOR AUTOMATICALLY GUIDING A MINING MACHINE

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on 22 September 2005, (Serial No. 11/232,262); 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. 11/232,262, filed 22 September 2005) 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 Hannu MÄKELÄ	Assignor's Signature <i>Hannu Mäkelä</i>	Date 22.11.2005
Address Repovuorentie 10, FI-00670 Helsinki, Finland		Citizenship Finnish