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U.S. DEPARTMENT OF COMMERCE
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Mats SUNDBERG

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 02/17/2003

2. Name and address of receiving party(ies)

Name: Sandvik AB

Internal Address: _____

Street Address: Storgatan 2
S-811 81

City: Sandviken State: Sweden Zip: _____

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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 is: 02/17/2003

A. Patent Application No.(s) _____

10,381,643

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

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

Name: Alfred J. Mangels

Internal Address: _____

Street Address: 4729 Cornell Road

City: Cincinnati State: OH Zip: 45241-2433

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

8. Deposit account number:

501300

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9. Signature.

Alfred J. Mangels

Name of Person Signing

Signature

Date

3/26/03

Total number of pages including cover sheet, attachments, and documents: 2

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

Commissioner of Patents & Trademarks, Box Assignments
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REEL: 014349 FRAME: 0465

ASSIGNMENT

(1) Mats Sundberg

(2)

(1-4) Insert Name(s) of Inventor(s)

(3)

(4)

In consideration of the sum of one dollar (\$1.00), and other good and valuable considerations paid to each of the undersigned, each of the undersigned assigns, transfers and sets over to

(5) Insert Name of Assignee

(5) Sandvik AB

(6) Insert Address of Assignee

(6) of S-811 81 Sandviken, Sweden

(hereinafter designated as the Assignee), its successors and assigns, the entire right, title and interest for the United States, its territories, dependencies and possessions, in and to the invention known as

(7) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number

(7) A method of increasing the useful life of a molybdenum silicide heating element

for which the undersigned has (have) executed an application for patent in the United States of America

(8) Insert Date of Signing of Application

(8) on February 17, 2003

and assigns, transfers and sets over to Assignee the entire right, title and interest in and to said application for patent in the United States of America and any patents, original, reissue, substitute or extension, which may issue therefrom.

1) The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof 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 application or continuation, division or reissue 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 or provisions of the International Convention 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 Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue 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) The undersigned hereby grant(s) Alfred J. Mangels, Registration No. 22,605, 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 Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 17.02.03 Name of Inventor Mats Sundberg (SEAL)

Date _____ Name of Inventor _____ (SEAL)

Date _____ Name of Inventor _____ (SEAL)

Date _____ Name of Inventor _____ (SEAL)

This assignment should preferably be signed before a United States Consul. If not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here:

Witness Eva Granlund

Witness Levi Lunn