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COVER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Docket No.: 050388-0053

PATENTS ONLY

To the Director of the U. S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of Conveying Party(ies)

Yoshihiro KURODA, Satoru KUKINO, Katsumi
OKAMURA, Tomohiro FUKAYA

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

3. Nature of Conveyance/Execution Date(s)

Execution Date(s): November 3, 2006, November 13, 2006,
November 13, 2006, November 13, 2006
(respectively)

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

2. Name and address of receiving party(ies)

Name: SUMITOMO ELECTRIC HARDMETAL CORP.

Address: 1-1, Koyakita 1-chome, Itami-shi

Hyogo, JAPAN

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

4. Application or patent number(s):

A. Patent Application No(s).

☐ This document is being filed together with a new application.

B. Patent No(s).

11/631636

Additional numbers attached? ☐ Yes ☐ No

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

Name: MCDERMOTT WILL & EMERY LLP

Internal Address:

Street Address: 600 13th Street, N.W.

City: Washington State: D. C. Zip: 20005-3096

Phone Number: 202.756.8000

Fax Number: 202.756.8087

Email Address:

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05 FC:8021 (40.00 DA)

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)nt

8. Payment Information:

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9. Signature.

Stephen A. Becker, 26,527

Signature

January 5, 2007

Date

Name and Registration No. of Person Signing

Total number of pages including cover sheet, attachments and documents: 3

OMB No. 0651-0027 (exp. 6/30/2008)

PATENT
REEL: 018752 FRAME: 0522

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1) <u>Yoshihiro KURODA</u>	(4) <u>Tomohiro FUKAYA</u>
(2) <u>Satoru KUKINO</u>	(5) _____
(3) <u>Katsumi OKAMURA</u>	(6) _____

who have made a certain new and useful invention, hereby sell, assign and transfer unto
Sumitomo Electric Hardmetal Corp.

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

[title] CUTTING TOOL FOR HIGH-QUALITY HIGH-EFFICIENCY MACHINING AND
CUTTING METHOD USING THE SAME

(a) for which an application for United States Letters Patent was filed on [case_filing_date], and identified by United States Application No. Not yet assigned; or

(b) for which an application for United States Letters Patent was executed on,

and the undersigned hereby authorize and request the United States Commissioner for Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefore and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS

DATE SIGNED

- 1) Yoshihiro Kuroda
Name: Yoshihiro KURODA
- 2) Satoru Kukino
Name: Satoru KUKINO
- 3) Katsumi Okamura
Name: Katsumi OKAMURA
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- 5) _____
Name:
- 6) _____
Name:

Nov. 3. 2006

Nov. 13. 2006

Nov. 13. 2006

Nov. 13. 2006
