

01-23-2006



FORM PTO-1595
(Rev. 10/02)

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Docket No.: 050388-0042

103162084

To the Honorable Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereto:

1-13-05

1. Name of Conveying Party(ies):
Naoki SAKATA, Kazufumi YAMANAKA, Keiji KINOSHITA

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) of conveying party(ies) attached? Yes No

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: December 26, 2005

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

4. Application number(s) or patent number(s):
If the document is being filed together with a new application, the execution date of the application is: December 26, 2005

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached? Yes No

5. Name and address of party 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

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:
500417

DO NOT USE THIS SPACE

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.

Arthur J. Steiner, 26,106

January 13, 2006

Name and Registration No. of Person Signing

Signature

Date

Total number of pages including cover sheet: 3

OMB No. 0651-0027 (exp. 6/30/2005)

113264 U.S. PTO
29/251802
011305

Docket No.:

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) Naoki SAKATA (4) _____
- (2) Kazufumi YAMANAKA (5) _____
- (3) Keiji KINOSHITA (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 "ASSINGNEE") 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] END MILL

(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) Naoki Sakata

Name: Naoki SAKATA

Dec. 26, 2005

2) Kazufumi Yamataka

Name: Kazufumi YAMANAKA

Dec. 26, 2005

3) Keiji Kinoshita

Name: Keiji KINOSHITA

Dec. 26, 2005

4) _____

Name:

5) _____

Name:

6) _____

Name:
