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Attorney Docket No. 18940/393
PATENT



102330430

RECORDATION OF ASSIGNMENT OF PATENTS

Box Assignments
Assistant Commissioner of
Patents and Trademarks
Washington, D.C. 20231

10.8.02

Attn: Assignment Branch - Patents

Sir:

It is requested that the Assignment Branch record the properties listed below.

1. CONVEYING PARTY: Yasuki Yoshitomi and Tadahisa Arahori
Name
2. RECEIVING PARTY: Sumitomo Metal Industries, Ltd.
Name
5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka, Japan
Address
3. INTEREST CONVEYED: Assignment
[Assignment, Surety,]
EXECUTION DATE: July 23, 2002
4. PROPERTY(IES): New application attached hereto
[Serial #(s), Patent #(s) New Application attached hereto (if Serial #s not given)]

5. CORRESPONDENCE ADDRESS: Barnes & Thornburg
750 17th Street, N.W., Suite 900
Washington, D.C. 20006
(202) 289-1313

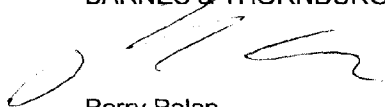
6. FEE CALCULATION: 1 x \$40 = \$40.00

7. A check in the amount of \$ 40.00 made payable to the Commissioner of Patents and Trademarks is attached hereto.
8. Should there be any over- or under-payment, authorization to apply or charge the Deposit Account of Barnes & Thornburg, No. 02-1010 (18940/39388) therefore is hereby granted.
9. The undersigned states that to the best of my knowledge and belief, the information contained on this cover sheet is true and correct and any copy submitted herewith is a true copy of the original document.

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

Respectfully submitted,

BARNES & THORNBURG


Perry Palan
Reg. No. 26,213
(202) 289-1313

Date 10/8/02

ASSIGNMENT

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

(1) Yasuki YOSHITOMI (3) _____
(2) Tadahisa ARAHORI (4) _____

who have made a certain new and useful invention, hereby sell, assign, and transfer unto

SUMITOMO METAL INDUSTRIES, LTD.

of 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka, Japan

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 Low-Thermal-Expansion Ceramics and Member of Exposure Apparatus

(a) for which an application for United States Letters Patent was filed on _____ and identified by United States Serial No. _____; or

(b) for which an application for United States Letters Patent was executed on July 23, 2002

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor 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, substitute, renewed, continuation, continuation-in-part, 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.

I (We) hereby grant the following law firm 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 U.S. Patent and Trademark Office for recordation of this document:

SIGNED on the date(s) indicated aside my(our) signature(s):

INVENTORS

DATE SIGNED

1) Yasuki Yoshitomi
Name: Yasuki YOSHITOMI

July 23, 2002

2) Tadahisa Arahori
Name: Tadahisa ARAHORI

July 23, 2002