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107469765

Commissioner of Patents

documents or copy thereof.

1. Name of conveying party(ies):

102679318

Name: Shin-Etsu Handotai Co., Ltd.

ABE, Takao

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

City: Tokyo

3. Nature of conveyance:

Postal Code: 100-0005 Country: JAPAN

X Assignment

Merger

Security Agreement

Change of Name

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

Other:

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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: September 4, 2003

A. Patent Application No.(s)

B. Patent No.(s)

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Additional numbers attached? Yes _ No X

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

Snider & Associates
P.O. Box 27613
Washington, D.C. 20038-7613
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6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

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Signature

September 4, 2003

Date

Total number of pages comprising cover sheet, attachments and document: 2

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

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

ASSIGNMENT

WHEREAS I/WE, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:
HEAT RAY REFLECTING MATERIAL AND HEATING APPARATUS USING THE SAME

(Title of Invention)

for which I/We executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on _____, (Serial No. _____); and

WHEREAS, **SHIN-ETSU HANDOTAI CO., LTD.**

(Full Name of Assignee)

a corporation of **JAPAN**

(Country of Incorporation)

whose post office address is **4-2, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-0005 Japan**

(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 be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which the 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 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-in-part, continuation prosecution 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.

IN TESTIMONY WHEREOF, I/We have hereunto set our hand(s).

1. Full Name of Sole or First Assignor Takao ABE	Assignor's Signature <i>Takao Abe</i>	Date <i>Aug. 11, 2003</i>
Address c/o SHIN-ETSU HANDOTAI CO., LTD., Isobe R&D Center, 13-1, Isobe 2-chome, Annaka-shi, Gunma 379-0196 Japan		Citizenship JAPANESE
2. Full Name of Second Assignor, if any	Assignor's Signature	Date
Address		Citizenship
3. Full Name of Third Assignor, if any	Assignor's Signature	Date
Address		Citizenship
4. Full Name of Fourth Assignor, if any	Assignor's Signature	Date
Address		Citizenship

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