

FORM PTO-1595(modified) REE

10-22-2003

HEET U.S. Department of Commerce  
Patent and Trademark Office

102580632

To the Honorable Commissioner of Patents and Trademarks, Please record the attached original documents or copy thereof

## 1. Name of conveying party(ies):

Takashi Natsume  
Fumiaki Akase

10-20-03

Additional name(s) of conveying party(ies)  
attached?☐ yes ☒ no

## 2. Name and address of receiving party(ies)

Name: Nikko Materials Company, Limited

Internal Address: \_\_\_\_\_

Street Address: 10-1, Toranomom 2-chome, Minato-kuCity: Tokyo 105-8407 Country: JapanAdditional name(s) & address(es) attached? ☐ yes ☒ no

## 3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_Effective Date: May 9, 2003  
May 9, 2003

## 4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

10/432,517

B. Patent No.(s)

Additional numbers attached: ☐ yes ☒ no5. Name and address of party to whom  
correspondence concerning document should be  
mailed:Name: William Bak, Esquire  
Howson and Howson

Internal Address: \_\_\_\_\_

Street Address: Spring House Corporate Center,  
Box 457City: Spring House State: PA Zip: 194776. Total number of applications and  
Patents involved:.....OCT 20 AM 8:10  
OPR/FINANCE

1

7. Total fee (37 CFR 3.41).....\$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

08-3040

(Attach duplicate copy of this page if paying by deposit account)

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## 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.

William Bak

Name of Person Signing

William

Signature

October 15, 2003

Date

Total number of pages, including cover sheet, attachments, and document: \_\_\_\_\_

Mail documents to be recorded with required coversheet information to:  
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Washington, DC 20231

10/21/2003 EDOOPER 00000229 10432517

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**ASSIGNMENT**

WHEREAS, **Takashi Natsume** and **Fumiaki Akase**, hereinafter referred to as ASSIGNORS, have invented and are the owners of an invention entitled **CARRIER-ADDED COPPER FOIL AND PRINT SUBSTRATE USING SAID COPPER FOIL**, said invention being fully set forth and described in the application for Letters Patent of the United States which has been prepared in connection with said invention, and which has been signed by ASSIGNORS; and

WHEREAS, **NIKKO MATERIALS COMPANY, LIMITED**, a Japanese corporation engaged in business at 10-1, Toranomom 2-chome, Minato-ku, Tokyo, 105-8407 Japan, hereinafter referred to as ASSIGNEE, is desirous of acquiring the said invention and any and all applications for Letters Patent and any and all Letters Patent of the United States and foreign countries which may be issued therefor;

NOW THEREFORE, THIS IS TO WITNESS, that in consideration of the sum of One Dollar (\$1.00) paid to ASSIGNORS by ASSIGNEE, the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS have sold, assigned and set over, and hereby does sell, assign and set over, unto ASSIGNEE, its successors and assigns, the entire right, title and interest for, to and within the United States and all foreign countries, in and to the aforesaid invention and in and to any and all application for Letters Patent and Letters Patent which may be issued therefor in the United States and in any and all foreign countries.

And ASSIGNORS hereby authorize and request the Commissioner of Patent and Trademarks to issue any and all Letters patent of the United States to ASSIGNEE, its successors and assigns, as the owner of all right, title and interest therein.

And for said consideration, it is hereby covenanted and agreed that at the request and expense of ASSIGNEE, its successors and assigns, ASSIGNORS will execute any further papers and do such other acts and things as may be necessary and proper to procure Letters Patent for said invention in the United States and in such foreign countries as ASSIGNEE, its successors and assigns may elect, and vest the full title thereto in ASSIGNEE, its successors and assigns.

And ASSIGNORS hereby authorize and direct its attorneys to insert, in the space provided below, the serial number and filing date of the aforesaid application for Letters Patent of the United States when the same shall have been made known to them by the United States Patent and Trademark Office.

IN WITNESS WHEREOF, this Assignment has been executed by us on the dates accompanying our signatures.

Takashi Natsume

9 May, 2003

**Takashi Natsume**

(Date)

Fumiaki Akase

9 May, 2003

**Fumiaki Akase**

(Date)

Application for United States Letters patent Serial Number 10/432,517  
filed May 23, 2003

Howson + Howson  
HOWSON AND HOWSON