



101220970

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

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

- (1) Osamu NAKAYAMA  
 (2) Toshinori HOSOMA  
 (3) Takuhiro ISHII

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

NHK Spring Co., Ltd.  
 3-10, Fukuura, Kanazawa-ku,  
 Yokohama-shi, Japan

-and-

Ube Industries Ltd.  
 12-32, Nishihonmachi 1-chome,  
 Ube-shi, Yamaguchi, Japan

10525 U.S. PTO  
 09/449654  
 11/30/99

## 3. Nature of conveyance: - ASSIGNMENT

(TWO ASSIGNMENTS: One executed by inventor #1; one executed by inventors #2 and #3)

Execution Date(s): Nov. 19, 1999, Nov. 18, 1999, Nov. 22, 1999,

, respectively.

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

09/449654

If this document is being filed together with a new application, the execution date of the application is as follows:

Nov. 19, 1999, Nov. 18, 1999, Nov. 22, 1999,

, respectively.

A. Patent Application No. (s)

B. Patent No.(s)

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

FRISHAUF, HOLTZ, GOODMAN, LANGER & CHICK, P.C.  
 767 Third Avenue, 25th Floor  
 New York, New York 10017-2023

6. Total number of applications and patents involved: one7. Total fee (37 CFR 3.41): \$ 40.00

[ ] Amount included with filing fee attached hereto.

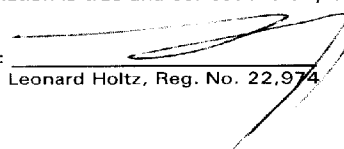
[X] Check enclosed.

## 8. To the extent not tendered by check, authorization is given to charge the Assignment Fee (37 CFR.341) to Account No. 06-1378.

## 9. Statement and signature:

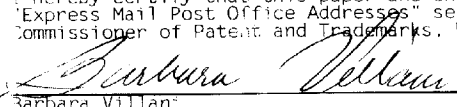
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Dated: November 30, 1999

By:   
 Leonard Holtz, Reg. No. 22,974

Express Mail® Mailing Label No. EL 396 045 463 USDate of Deposit: November 30, 1999

I hereby certify that this paper and enclosed application and fee are being deposited with the United States Postal Service "Express Mail Post Office Addresses" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patent and Trademarks, Washington, D.C. 20231.

  
 Barbara Villan  
 3/4/92

Total number of pages comprising cover sheet: 5

PATENT  
 REEL: 010427 FRAME: 0039

In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

THREE-DIMENSIONAL WIRING BOARD AND ELECTRIC INSULATING MEMBER FOR WIRING BOARD

sell and assign to

(1) NHK SPRING CO., LTD., a Japanese corporation, having a place of business at  
3-10, Fukuura, Kanazawa-ku, Yokohama-shi, Japan; and

(2) Ube Industries Ltd., a Japanese corporation, having a place of business at  
12-32, Nishihonmachi 1-chome, Ube-shi, Yamaguchi, Japan

their successors, and assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

(check one)

☒ [X] executed concurrently herewith:

☐ [ ] executed on \_\_\_\_\_ ;

☐ [ ] Application No. \_\_\_\_\_, filed \_\_\_\_\_ ;

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention.

I 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.

Frishauf, Holtz, Goodman, Langer & Chick, P.C., 767 Third Avenue-25th Floor, New York, N.Y. 10017-2023,  
U.S.A.

[1st Inventor]

Residence Address: Yokohama-shi, Japan

Post Office Address c/o NHK SPRING CO., LTD. 3-10, Fukuura, Kanazawa-ku, Yokohama-shi, Kanagawa-ken, Japan

Country of Citizenship: Japan

中山 修

Osamu Nakayama

November 19, 1999

Date

[2nd Inventor]

Residence Address: Ube-shi, Japan

Post Office Address c/o Ube Industries Ltd., 1978-10, Oaza Kogushi, Ube-shi, Yamaguchi, Japan

Country of Citizenship: Japan

Toshinori Hosoma

Date

[3rd Inventor]

Residence Address: Tokyo, Japan

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Country of Citizenship: Japan

Takuhiro Ishii

Date

RECORDING OFFICER:

After recording please return to :

Frishauf, Holtz, Goodman, Langer & Chick, P.C.

767 Third Avenue-25th Floor, New York, N.Y. 10017-2023, U.S.A.

In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

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their successors, and assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

(check one)

☒ [X] executed concurrently herewith;

☐ [ ] executed on \_\_\_\_\_ :

☐ [ ] Application No. \_\_\_\_\_, filed \_\_\_\_\_ :

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention.

I 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.

Frishauf, Holtz, Goodman, Langer & Chick, P.C., 767 Third Avenue-25th Floor, New York, N.Y. 10017-2023,  
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[1st Inventor]

Residence Address: Yokohama-shi, Japan

Post Office Address c/o NHK SPRING CO., LTD. 3-10, Fukuura, Kanazawa-ku, Yokohama-shi, Kanagawa-ken, Japan

Country of Citizenship: Japan

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Osamu Nakayama

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Date

[2nd Inventor]

Residence Address: Ube-shi, Japan

Post Office Address c/o Ube Industries Ltd., 1978-10, Oaza Kogushi, Ube-shi, Yamaguchi, Japan

Country of Citizenship: Japan

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*Toshinori Hosoma*

Toshinori Hosoma

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November 18, 1999

Date

[3rd Inventor]

Residence Address: Tokyo, Japan

Post Office Address c/o Ube Industries Ltd., 2-3-11, Higashi-Shinagawa, Shinagawa-ku, Tokyo, Japan

Country of Citizenship: Japan

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*Takuhiro Ishii*

Takuhiro Ishii

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November 22, 1999

Date

RECORDING OFFICER:

After recording please return to :

Frishauf, Holtz, Goodman, Langer &amp; Chick, P.C.

767 Third Avenue-25th Floor, New York, N.Y. 10017-2023, U.S.A.