

05-01-2002

FORM PTO-1595

(Rev. 6-93)

RECC



EET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

OMB No. 0651-0011 (exp. 4/94)

102073701

Tab settings

▽ ▽ ▽ ▽ ▽ ▽

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Michiyoshi TANAKA; Masami TERAUCHI; Katsushige TSUNO and Toshikazu HONDA

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

Internal Address:

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

3. Nature of conveyance:

4.18.02

- Assignment Merger Security Agreement Change of Name Other

Street Address: 1-2, Musashino 3-chome, Akishima Tokyo 196-8558, Japan

City:

State: ZIP:

Execution Date: 03/21/02; 03/21/02; 03/11/02; 03/12/02

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

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:

A. Patent Application No. (s)

B. Patent No. (s)

Serial No. 09/610,126, filed July 5, 2000

Additional numbers attached? Yes No

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

Name: David C. Hanson

Internal Address: Webb Ziesenheim Logsdon

Orkin & Hanson, P.C.

Street Address: 700 Koppers Building

436 Seventh Avenue

City: Pittsburgh State: PA ZIP: 15219-1818

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:

Attach triplicate copy of this page if paying by deposit account.

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.

David C. Hanson, Reg. No. 23,024 Name of Person Signing

Signature

April 11, 2002 Date

Total number of pages including cover sheet, attachments and document 4

Mail documents to be recorded with required cover sheet information to: Commissioner for Patents, U.S. Patent and Trademark Office Office of Public Records, Crystal Gateway 4, Room 335 Washington, D.C. 20231

05/01/2002 TDIAZ1 00000043 09610126

01 FC:581

40.00 OP

PATENT REEL: 012837 FRAME: 0565

ATTACHMENT TO FORM PTO-1595

Japan Science and Technology Corporation  
1-8, Honcho 4-chome, Kawaguchi  
Saitama 332-0012, Japan

Michiyoshi Tanaka  
28-4, Yagiyamahoncho 2-chome, Taihaku-ku, Sendai  
Miyagi 982-0801, Japan

## ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to the undersigned, said undersigned, MICHİYOSHI TANAKA, MASAMI TERAUCHI, KATSUSHIGE TSUNO, and TOSHIKAZU HONDA hereby sell and assign to JEOL LTD. of 1-2, Musashino 3-chome, Akishima, Tokyo 196-8558, Japan; JAPAN SCIENCE AND TECHNOLOGY CORPORATION of 1-8, Honcho 4-chome, Kawaguchi, Saitama 332-0012, Japan; and MICHİYOSHI TANAKA of 28-4, Yagiyamahoncho 2-chome, Taihaku-ku, Sendai, Miyagi 982-0801 Japan (hereinafter designated as the Assignees) the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention known as ENERGY FILTER AND ELECTRON MICROSCOPE USING SAME for which an application for a patent in the United States of America was filed by the undersigned on July 5, 2000, bearing Serial No. 09/610,126.

The undersigned agree to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignees may deem necessary or expedient.

The undersigned agree to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignees in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for the protection of Industrial Property or similar agreements.

The undersigned agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignees.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States resulting from said application of any division or divisions or continuing or reissue applications thereof to the said Assignees, as Assignees of the entire interest, and hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant David C. Hanson (Registration No. 23,024); Richard L. Byrne (Registration No. 28,498) and Randall L. Notzen (Registration No. 36,882), whose address is 700 Koppers Building, 436 Seventh Avenue, Pittsburgh, Pennsylvania 15219-1818 (Telephone No. 412-471-8815) 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 United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date opposite the undersigned's names.

Date 21 March 2001

Inventor Michiyoshi Tanaka  
Michiyoshi TANAKA

Date 21 March 2002

Inventor Masami Terauchi  
Masami TERAUCHI

Date 11 March 2002

Inventor Katsushige Tsuno  
Katsushige TSUNO

Date 12 Mar. 2002

Inventor T. Honda  
Toshikazu HONDA