



10-16-2003



102575640

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

10-7-03

In re Application of

Hiroshi TOKAILIN et al.

Serial No.: 10/460,677

Filed: June 13, 2003

For: ELECTRODE SUBSTRATE AND PRODUCTION METHOD THEREOF

ASSIGNMENT TRANSMITTAL LETTER

Mail Stop Assignment Recordation Services
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and Trademark Office
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Sir:

Please record the attached Assignment in the name of the assignor and the assignee as indicated below and return the original document to the undersigned.

- | | |
|---|--|
| 1. <u>Submission Type:</u> | <u>Conveyance Type:</u> |
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2. Name of Conveying Party(ies):

Hiroshi TOKAILIN; Yoshikazu NAGASAKI; Tadao SHIBUYA;
Kazuyoshi INOUE.

3. Name and Address of Receiving Party(ies):

IDEMITSU KOSAN CO., LTD.
1-1, Marunouchi 3-chome
Chiyoda-ku, Tokyo 100-8321 JAPAN.

4. Execution Date of Assignment: September 3, 2003.

10/10/2003 GWORDD01 00000018 10460677

04 FC:8021

40.00 DP

PATENT
REEL: 014582 FRAME: 0199

5. If this Assignment is being filed together with a new application, the execution date of the application is: September 3, 2003.

6. Total number of applications and patents involved: 1.

All correspondence should be addressed to:

Roger W. Parkhurst
PARKHURST & WENDEL, L.L.P.
1421 Prince Street, Ste. 210
Alexandria, VA 22314-2805.

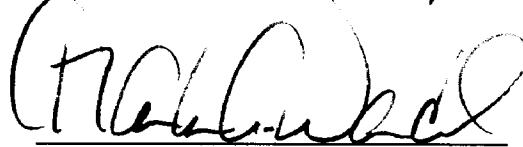
The Assignment recordation fee (\$40.00) is covered by our attached Check Number 16977.

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. Total number of pages including cover sheet, attachments and document 3.

If there should be any questions concerning the amount of the fee or should our check become detached, please debit or credit our Deposit Account Number 160331 as needed in order to effect proper filing of the attached document.

Respectfully submitted,

PARKHURST & WENDEL, L.L.P.



Charles A. Wendel
Registration No. 24,453

October 7, 2003
Date

Attorney Docket No. HEIW:020

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ASSIGNMENT

- (1) Hiroshi TOKAILIN (5) _____
- (2) Yoshikazu NAGASAKI (6) _____
- (3) Tadao SHIBUYA (7) _____
- (4) Kazuyoshi INOUE (8) _____

In consideration of the sum of dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

- (9) Insert name of Assignee (9) IDEMITSU KOSAN CO., LTD.
- (10) Insert address of Assignee (10) 1-1, Marunouchi 3-chome, Chiyoda-ku, Tokyo 100-8321 Japan

(hereinafter designated as the Assignee) the entire right, title and interest worldwide, including the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

- (11) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number (11) Electrode Substrate And Production Method Thereof
(Case No. HEIW:020)

for which the undersigned executed an application for patent in the United States of America

- (12) Insert Date of Signing of Application (12 on September 3, 2003)

- (13) Alternative Identification for filed applications (13) U.S. application Serial Number 10/460,677
filed June 13, 2003

1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuing or divisional application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) 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 Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, or similar agreements or treaties.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of valid patents to the Assignee in the United States and elsewhere worldwide.

5) The undersigned hereby authorize(s) and request(s) the patent offices or authorities to issue any and all Patents or patent rights resulting from said applications or any continuing or divisional applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

6) The undersigned hereby grant(s) the firm of PARKHURST & WENDEL, L.L.P. 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 or any other patent office worldwide, for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date September 23, 2003 Name of Inventor Hiroshi Tokailin Hiroshi TOKAILIN (SEAL)

Date September 3, 2003 Name of Inventor Yoshikazu Nagasaki Yoshikazu NAGASAKI (SEAL)

Date September 3, 2003 Name of Inventor Tadao Shibuya Tadao SHIBUYA (SEAL)

Date September 3rd, 2003 Name of Inventor Kazuyoshi Inoue Kazuyoshi INOUE (SEAL)

Date _____ Name of Inventor _____ (SEAL)

Date _____ Name of Inventor _____ (SEAL)

Date _____ Name of Inventor _____ (SEAL)

Date _____ Name of Inventor _____ (SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. or (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date _____ Witness _____

Date _____ Witness _____