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1. Name of conveying party(ies)/Execution Date(s):

Yasuhiro Sakamoto, Tomoyuki Sagara and
Yoshinori Nakajima

Execution Date(s): May 31, 2005

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

2. Name and address of receiving party(ies)

Name: Sharp Kabushiki Kaisha

Internal Address: _____

Street Address: _____

22-22 Nagaike-cho
Osaka-shi
Abeno-Ku, Osaka
545-8522
JAPAN

City: _____

State: _____

Country: _____ Zip: _____

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

3. Nature of Conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

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☐ Executive Order 9424, Confirmatory License

☐ Other _____

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s) _____

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

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

Name: _____

EDWARDS & ANGELL, LLP

Internal Address: Atty. Dkt.: 63569(48882)

Street Address: P.O. Box 55874

City: Boston

State: MA Zip: 02205

Phone Number: (617) 439-4444

Fax Number: (617) 439-4170

Email Address: dconlin@edwardsangell.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

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None required (government interest not affecting title)

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Authorized User Name

Robert J. Tosti

9. Signature:

Robert J. Tosti
Signature

June 10, 2005

Date

Robert J. Tosti - 35,393

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: **4**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Label No. EV492343186 US, in an envelope addressed to: MS Assignment Recordation Services, Director of the US Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: June 10, 2005

Signature: *Maggie C. Hamelin*

(Maggie C. Hamelin)

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(40.00 DA)

PATENT
REEL: 016689 FRAME: 0648

Attorney Docket No. 63569 (48882)

Page 1

ASSIGNMENT

WHEREAS, the following inventor(s):

Yasuhiro SAKAMOTO, Tomoyuki SAGARA and yoshinori NAKAJIMA

(Names of Inventors)

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in Circuit Board Electrode Connection Structure

(Title of Invention)

for which application for Letters Patent of the United States

☒ is being filed herewith☐ has been filed on _____, Serial No. _____;

and

WHEREAS, SHARP KABUSHIKI KAISHA, a Corporation

(Name of Assignee)

having its principal place of business at Osaka Japan

(Assignee's City)

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and to any Letters Patent(s) that may be granted therefor in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration to the undersigned, the receipt of which is hereby acknowledged, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America and its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) 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 Assignee may deem necessary or expedient.

The undersigned agree(s) to furnish all pertinent facts and documents relating to said application, said invention and said patent(s) as may be known and accessible to the undersigned, and will testify as to the same in any interference or litigation related thereto, and will promptly execute and deliver to Assignee any and all papers, instruments or affidavits necessary or desirable to apply for, obtain, maintain or enforce said application or said patent(s) in connection with any interference which may be

declared, and any litigation concerning this application or any continuation, division or reissue thereof or Patent(s) or reissue patent(s) issued thereon, and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference or litigation.

The undersigned agree(s) to execute all papers and documents and to 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(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby grant(s) the law firm of Edwards & Angell, LLP, of 101 Federal Street, Boston, Massachusetts 02110-1800, U.S.A. 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.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he or she has the full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement in conflict herewith.

In witness whereof, signed by the undersigned on the date(s) opposite the undersigned names.

Date May 31, 2005

Signature of Inventor: _____

Name: Yasuhiro SAKAMOTO

Date May 31, 2005

Signature of Inventor: _____

Name: Tomoyuki SAGARA

Date May 31, 2005

Signature of Inventor: Yoshinori Nakajima

Name: Yoshinori NAKAJIMA

Date _____

Signature of Inventor: _____

Name: _____

Date _____

Signature of Inventor: _____

Name: _____

Date _____

Signature of Inventor: _____

Name: _____