

02-15-2001

U.S. DEPARTMENT OF COMMERCE

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Patent and Trademark Office
Docket No. 492322000100

2-5-01

101615147

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

1. Name of conveying party(ies):

- 1. Kenichi Muto
- 2. Ryuichi Komatsu
- 3. Yasuhiko Tanaka
- 4. Akio Watanabe
- 5. Yasuhiro Oribe

- Individual(s)
- Association
- General Partnership
- Limited Partnership
- Corporation-State
- Other



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

Name: Sanyo Electric Co., Ltd.
 Address: 1-1-1 Sakata, Oizumi-machi
 Ora-gun, Gunma 370-0596 JAPAN

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

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

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other:
- Merger
- Change of Name

Execution Date: August 24, 2000; August 30, 2000; September 4, 2000

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)
09/662,175

B. Patent No.(s)

Additional numbers attached? Yes No

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

Barry E. Bretschneider
 Morrison & Foerster LLP
 2000 Pennsylvania Avenue, N.W.
 Washington, D.C. 20006-1888

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

- Enclosed
- Authorized to be charged to deposit account, referencing Attorney Docket 492322000100

8. Deposit account number: 03-1952

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. § 1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. 03-1952.

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.

Name: Barry E. Bretschneider
 Registration No: 28.055

Barry E. Bretschneider
 Signature
 Reg. # 45,640

February 5, 2001
 Date

Total number of pages comprising cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:

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MORRISON & FOERSTER LLP

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign(s), transfer(s) and set(s) over to:

SANYO ELECTRIC CO., LTD.

(hereinafter designated as the "ASSIGNEE"), its successors and assigns, the entire right, title, and interest for the United States in the invention, and all applications for patent and any Letters Patent which may be granted therefor, including said application, and all United States Letters Patent which may be granted thereof, and all divisions, reissues, continuations and extensions thereof, the said interest being the entire ownership of said Letters Patent when granted to be held by said ASSIGNEE, its successors, assigns or their legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been and enjoyed by Assignor(s) if this assignment had not been made, the application being known by the title:

TAPING APPARATUS AND TAPING PROCESS FOR ELECTRONIC COMPONENTS

Attorney Docket No.: 492322000100

for which the undersigned has/have executed an application for patent in the United States of America on the same day herewith. Where this instrument is not filed concurrently with the application, the following identifying information may be added after execution:

Serial No.: 09/662,174

Filing Date: September 14, 2000

1. The undersigned hereby agree(s) to sign and execute any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reexamination or reissue application or in any amendments, extension of interference proceedings, or otherwise to secure the title thereto to the ASSIGNEE.

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dc-153062

PATENT
REEL: 011508 FRAME: 0249

2. 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 of similar agreements.

3. The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the ASSIGNEE.

4. The undersigned hereby authorize(s) and request(s) the Commissioner of Patents in the United States to issue any and all Letters Patent resulting from said application or any division or divisions or continuing applications thereof to the said ASSIGNEE.

5. The undersigned hereby grant(s) to the firm of Morrison & Foerster LLP 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 WHEREBY, executed by the undersigned on the date(s) opposite the undersigned name(s).

Kenichi Muto

Date

Aug. 24, 2000

Typed Name: Kenichi Muto

Ryuichi Komatsu

Date

Aug. 24, 2000

Typed Name: Ryuichi Komatsu

Yasuhiko Tanaka

Date

Aug. 30, 2000

Typed Name: Yasuhiko Tanaka

Akio Watanabe

Date

Aug. 24, 2000

Typed Name: Akio Watanabe

Yasuhiro Oribe

Date

Sep. 4, 2000

Typed Name: Yasuhiro Oribe

This assignment may be signed before a U.S. Notary Public or before at least two witnesses who also sign here:

Date

Typed Name: