

Form PTO-1595 (Rev. 03/01)
OMB No. 0651-0027 (exp. 5/31/2002)

03-11-2003



U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner 102386698 checked original documents or copy thereof

1. Name of conveying party(ies):
 Tsutomu NAKAZAWA (02/03/2003) 3-6-03
 Kouichi HAMAKAWA (02/03/2003)
 Youji TAKEI (02/03/2003)
 Masanobu KIYAMA (02/03/2003)
 Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
 Name: Sanyo Electric Co., Ltd.
 Internal Address: _____
 Street Address: 2-5-5, Keihanhondori
 City: Moriguchi-City, Osaka
 Country: JP Zip: 570-8677
 Additional name(s) & address(es) attached: Yes No

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
 Execution Date: see Box 1, conveying parties

4. Application number(s) or patent number(s):
 If this document is being filed together with a new application, the execution date of the new application is: _____
 A. Patent Application No.(s): 10/305,395
 B. Patent No.(s): _____
 Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: Barry E. Bretschneider
MORRISON & FOERSTER LLP
 Internal Address: Atty. Dkt.: 492322008200
 Street Address: 1650 Tysons Blvd, Suite 300
 City: McLean State: VA Zip: 22102

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
 Authorized to be charged to credit card (Form 2038 enclosed)
 8. Deposit account number: 03-1952
 (Attach duplicate 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.
Barry E. Bretschneider - 28,055 [Signature] March 6, 2003
 Name of Person Signing Signature Date
 Total number of pages including cover sheet, attachments, and documents: 3

03/10/2003 LMIELLER 00000131 031952 10305395
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I hereby certify that this correspondence is being hand delivered to: Commissioner for Patents, In Washington, DC on the date shown below.
 Dated: March 6, 2003 Signature: [Signature] (Emily Palmer)

va-26206

PATENT
REEL: 013818 FRAME: 0708

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.

2-5-5, Keihanhondori
Moriguchi-City, Osaka 570-8677 JAPAN

(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:

PERSONAL AUTHENTICATION SYSTEM AND METHOD THEREOF

Attorney Docket No.: 49232-20082.00

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.: 10/305,395

Filing Date: November 27, 2002

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.

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.

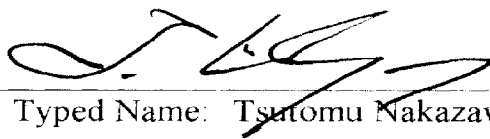
4. The undersigned hereby authorize(s) and request(s) the Commissioner of Patents in the United States to issue any and all Letters Patent resulting from said application or any division or divisions or continuing applications thereof to the said ASSIGNEE.

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).

Feb 3, 2003

Date



Typed Name: Tsutomu Nakazawa

Feb. 3 2003

Date

Kouichi Hamakawa

Typed Name: Kouichi Hamakawa

Feb. 3 2003

Date

Youji Takei

Typed Name: Youji Takei

Feb. 3 2003

Date

Masanobu Kiyama

Typed Name: Masanobu Kiyama