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Form PTO-1595
(Rev. 03/01)

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

OMB No. 0651-0027 (exp. 5/31/2002)

PATENTS ONLY

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

1. Name of conveying party(ies):

Hideyuki KANAYAMA (10/15/2002); Kazuhiro ARAI
(10/15/2002); and Koji ISHII (10/15/2002)Additional name(s) of conveying party(ies)
attached?☐ Yes☒ No

2. Name and address of receiving party(ies)

Name: SANYO ELECTRIC CO., LTD.Country: JAPAN

Street Address:

5-5, Keihanondori 2-chome

City: Moriguchi-shiPref: OsakaZip: 570-8677Additional name(s) &
address(es) attached:☐ Yes☒ No

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☒ Other Assignee's street name spelled incorrectly,
correct spelling **Keihanondori**

Execution Date: _____

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: October 15, 2002

A. Patent Application No.(s):

NEW
APPLICATION

102 98572

B. Patent No.(s):

Additional numbers attached?

☐ Yes☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:Name: David T. Nikaido
Rader, Fishman & Grauer PLLC

Internal Address: Atty. Dkt.: 85450-0207

Street Address:
Lion Building
1233 20th Street N.W., Suite 501City:
Washington

State: DC Zip: 20036

6. Total number of applications and
patents involved:

1

7. Total fee (37 CFR 3.41)

\$ 0.00



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*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy
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Registration No. 41,800

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April 11, 2003
Date

Total number of pages including cover sheet, attachments, and documents: 5

Attorney's Docket No. JIM-0207

PATENT
REEL: 013948 FRAME: 0636

11-29-2002



Form PTO-1595

(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

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

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

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☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: see Box 1, conveying parties

4. Application number(s) or patent number(s):

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A. Patent Application No.(s):

NEW
APPLICATION

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:Name: David T. Nikaido
Rader, Fishman & Grauer PLLC

Internal Address: Atty. Dkt.: 85314-0218

Street Address:

Lion Building
1233 20th Street N.W., Suite 501City:
Washington

State: DC Zip: 20036

6. Total number of applications and
patents involved:

1

7. Total fee (37 CFR 3.41)

\$ 40.00

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Registration No. 41,800

Signature

November 19, 2002
Date

Total number of pages including cover sheet, attachments, and documents: 2

Attorney's Docket No. JIM-0207

11/27/02 DBYRNE

00000078 180013 10298572

CL FC:8/21

40.00 CH

PATENT
REEL: 013948 FRAME: 0637

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

SANYO ELECTRIC CO., LTD. residing at 5-5, Keihanhondori 2-chome,
Moriguchi-shi, Osaka, Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

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for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

*filed on _____, Serial No. _____

(Rader, Fishman & Grauer, PLLC is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

Signature(s)
of Assignor(s)]

Hideyuki Kanayama
(SIGNATURE)

Hideyuki KANAYAMA
(TYPE NAME)

Oct. 15 2002
(DATE)

Kazuhiro Arai
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