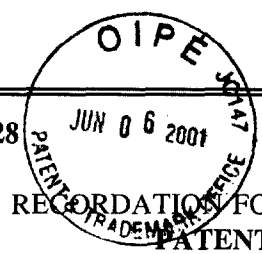


06-12-2001



Attorney Docket No. 010428

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Submission type: XX New

Conveyance type: XX Assignment ___ Security Agreement

Conveying Party(ies): May 15, 2001

First party Name: IDE, Hiroyuki

Second party Name: UKITA, Shinji

Additional name of conveying party attached? Yes ___ No XX

Receiving Party:

First party Name: Sanyo Electric Co., Ltd.

Address: 5-5, Keihanondori 2-chome, Moriguchi-shi, Osaka, JAPAN

Additional name & address attached? Yes ___ No XX

Domestic Representative Name and Address

ARMSTRONG, WESTERMAN, HATTORI, McLELAND & NAUGHTON, LLP
1725 K Street, N.W., Suite 1000
Washington, D.C. 20006

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Correspondent Name and Address

ARMSTRONG, WESTERMAN, HATTORI, McLELAND & NAUGHTON, LLP
1725 K Street, N.W., Suite 1000
Washington, D.C. 20006

Telephone: 202-659-2930

Pages Enter the total number of pages of the attached conveyance document: 1

Application Number or Patent Number Additional numbers attached? Yes No

A. Patent Application No. 09/816,672
B. Patent No.

If this document is being filed together with a new application, enter the date the application was signed by the first named executing inventor: _____

Patent Cooperation Treaty (PCT)

Enter PCT application number only if
a U.S. Application Number has not been assigned

PCT _____
PCT _____
PCT _____

Number of Properties Enter the total number of properties involved: 1

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41). \$40.00

Enclosed

Authorized to be charged to Deposit Account No.: 01-2340

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.

William L. Brooks
Name of Person Signing

William L. Brooks
Signature

June 6, 2001
Date

34,129
Registration No.

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.

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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(Insert ASSIGNEE's Name(s) Address(es))

(Title of Invention)

(*If the assignment is being filed after the filing of the application, this section must be completed)

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

*filed on March 26, 2001, Serial No. 09/816,672

(Armstrong, Westerman, Hattori, McLeland & Naughton 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, divisional, 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 the application and any continuation, 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, divisional, 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).

(Signatures)

<u>Hiroyuki Ide</u> (SIGNATURE)	<u>Hiroyuki IDE</u> (TYPE NAME)	<u>May 15, 2001</u> (DATE)
<u>Shinji Ukita</u> (SIGNATURE)	<u>Shinji UKITA</u> (TYPE NAME)	<u>May 15, 2001</u> (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)

NO LEGALIZATION REQUIRED

PATENT