

09-24-2002

R

U.S. Department of Commerce
Patent and Trademark Office

PATENT

TO: The Commissioner of Patents and

102230548

original document(s) or copy(ies).

Submission Type

- ☒ New
☐ Resubmission (Non-Recordation)
 Document ID #
☐ Correction of PTO Error
 Reel # Frame #
☐ Corrective Document
 Reel # Frame #

Conveyance Type

- ☒ Assignment
☐ License
☐ Merger
☐ Security Agreement
☐ Change of Name
☐ Other:

JCS31 U.S. PTO
10/245675**Conveying Party(ies)**

1. Shigenori NAKATUKA
2. Akira INOUE
3. Kenichiro CHOUMEI
- 4.
- 5.
- 6.

MRO
9/18/02**Execution Date(s)**

August 7, 2002
 August 7, 2002
 August 7, 2002

☐ Mark if Additional Names of Conveying Parties Attached**Receiving Party**

Name Miyoshi Electronics Corporation

Name

Address 306, Higashisakeya-cho

Address

Address Miyoshi-City

City

Hiroshima, Japan

State/Country

728-8511

Zip Code

☒ Mark if Additional Names of Receiving Parties Attached**Correspondent Name and Address**

Jeffrey A. Wyand
 Leydig, Voit & Mayer
 700 Thirteenth St., N.W. Suite 300
 Washington, D.C. 20005-3960

Telephone: (202) 737-6770
 Facsimile: (202) 737-6776
 Attorney Docket No. 402246/AOYAMA

Pages Enter the total number of pages of the attached conveyance document including any attachments: 2**Application Number(s) or Patent Number(s)**☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Numbers**Patent Numbers**

10245675

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year
 August 7, 2002

Patent Cooperation Treaty (PCT)

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

PCT

PCT

PCT

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

Method of Payment:

☐ Enclosed is a check in the amount of \$☒ Charge Deposit Account No. 12-1216Authorization to Charge Additional Fees to Deposit Account No. 12-1216: ☒ Yes ☐ No**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. Charges to deposit account are authorized, as indicated herein.

Jeffrey A. Wyand

Name of Person Signing

Signature

Date

Assignment Tml P1

PATENT

REEL: 013303 FRAME: 0931

10245675

12/216

40.00 CH

09/23/2002 LUMILLER 0000023

01 FC:581

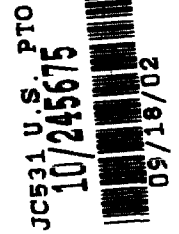
**RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY**

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

7.
8.
9.
10.
11.
12.

Execution Date(s)



Receiving Party(ies)

Name Mitsubishi Denki Kabushiki Kaisha
Name
Address 2-3, Marunouchi 2-chome, Chiyoda-ku
Address
Address Tokyo Japan 100-8310
City State/Country Zip Code

Name
Name
Address
Address
Address
City State/Country Zip Code

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Numbers

Patent Numbers

If this document is being filed together with a *new* Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year
August 7, 2002

Patent Cooperation Treaty (PCT)

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

PCT	PCT	PCT
PCT	PCT	PCT

Assignment Tml P2

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is acknowledged, the undersigned,

(1) Shigenori NAKATUKA, (2) Akira INOUE and (3) Kenichiro CHOUMEI

of (1) c/o, MIYOSHI ELECTRONICS CORPORATION, 306, Higashisakeya-cho, Miyoshi-City, Hiroshima 728-8511 JAPAN, and (2), (3) c/o Mitsubishi Denki Kabushiki Kaisha, 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN respectively

sells, assigns, and transfers to

MITSUBISHI DENKI KABUSHIKI KAISHA

of 2-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO 100-8310 JAPAN

(the Assignee), its successors and assigns, the entire right, title, and interest in and to:

- (i) the application for United States Letters Patent entitled:
CHARACTERISTICS EVALUATION OF INTERMEDIATE LAYER CIRCUIT

which was executed by the undersigned on August 7, 2002,
_____ or was filed on _____ and accorded
Serial No. _____ (the Application);

- (ii) any and all inventions and improvements that are described in the Application;
- (iii) any and all United States Letters Patents that may be granted on the Application (the Patent);
- (iv) any and all divisions, continuations, reexaminations, reissues, or extensions of the Application or the Patent; and
- (v) all benefits under the International Convention for the Protection of Industrial Property.

I authorize the Assignee and its agents to insert in this instrument the filing date and serial number of the Application.

I authorize and request the Commissioner of Patents to issue any and all Letters Patent, when granted, to the Assignee.

Further, it is agreed that, when requested, without charge to, but at the expense of, the Assignee, the undersigned will execute all divisional, continuing, or reissue patent applications; execute all additional assignments and other writings, including reissue and reexamination papers; and provide all reasonable assistance requested by the Assignee to secure and maintain appropriate patent protection for any invention described in the Application.

Signed at Tokyo, Japan

this 7th day of August, 2002.

WITNESS(ES):

INVENTOR(S):

Takahide Ishikawa

Shigemori Nakatuka

Akira Ohtsui

Akira Inoue

Kenichiro Chisaki