

11-18-2002



HEET

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

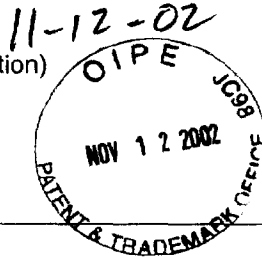
TO: The Commissioner of Patent

102282774

Attached 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:

Conveying Party(ies)

1. Katsuhiko HORINOCHI
2. Hirotaka MUTO
3. Satoshi KUMAYASU
4. Masaki NAKAOKA
- 5.
- 6.

Execution Date(s)

October 29, 2002
 October 29, 2002
 October 29, 2002
 October 29, 2002

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

Name Mitsubishi Denki Kabushiki Kaisha

Name

Address 2-3, Marunouchi 2-chome

Address Chiyoda-Ku

Address Tokyo

Japan

City

State/Country

100-8310

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. 402191/MELCO

Pages Enter the total number of pages of the attached conveyance document including any attachments: 3**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**

10/219,814

11/15/2002 TDAZ1 00000076 121216 10219814

01 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

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. 12-1216

Authorization 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: 013480 FRAME: 0488

Leydig, Voit & Mayer
700 Thirteenth Street, N.W.
Suite 300
Washington, D.C. 20005-3960

ASSIGNMENT

WHEREAS, WE, KATSUHIKO HORINOCHI, HIROTAKA MUTO, SATOSHI KUMAYASU, AND MASAKI NAKAOKA, all c/o Mitsubishi Denki Kabushiki Kaisha, 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan, respectively, have invented and own a certain invention entitled:

OPTICAL SUBMARINE COMMUNICATION SYSTEM

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on August 16, 2002, under U.S. Application No. 10/219,814, and

WHEREAS, MITSUBISHI DENKI KABUSHIKI KAISHA, of 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan (hereinafter referred to as Assignee), is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

NOW, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

WE HEREBY AUTHORIZE the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

UPON SAID CONSIDERATION, we convey to the Assignee the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued,

reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date October 29, 2002 Katsuhiko Horinouchi
Katsuhiko HORINOUCI

Date _____ Witness _____

Date _____ Witness _____

=====

Date October 29, 2002 Hirotaka Muto
Hirotaka MUTO

Date _____ Witness _____

Date _____ Witness _____

=====

Date October 29, 2002 Satoshi Kumayasu
Satoshi KUMAYASU

Date _____ Witness _____

Date _____ Witness _____

Date October 29, 2002

Masaki Nakaoka
Masaki NAKAOKA

Date _____

Witness _____

Date _____

Witness _____

Assignment Appln Joint-Witness (Revised 10/25/01)