



04-24-2002



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

RECORDATION FORM COVER SHEET PATENTS ONLY

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

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

1. Name of conveying party(ies): IZUMI, KATSUHIKO ONISHI, KUNIKAZU SHIMADA, KENICHI INOUE, MASYAYUKI FUJITA, SHINJI Additional name(s) of conveying party(ies) attached? [] Yes [X] No

4-10-02

2. Name and address of receiving party(ies) Name 1: HITACHI, LTD. Street Address: 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan Name 2: Hitachi Media Electronics Co., Ltd. Street Address: 1, Kitano, Shinjo Mizusawa-shi Iwate-ken, Japan

3. Nature of conveyance: [X] Assignment [] Security Agreement [] Other [] Merger [] Change of Name Execution Date: Jan. 17, 23, 2001.

Additional name(s) & address(es) attached? [] Yes [X] No

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) U.S. Serial No. 09/726,557 filed Dec. 1, 2000

B. Patent Registration No.(s)

Additional number(s) attached [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Antonelli, Terry, Stout & Kraus, LLP Internal Address: 1300 North Seventeenth Street Suite 1800 Arlington, VA 22209 USA City: State: Zip:

6. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41) \$40.00 [X] Enclosed [X] Authorized to be charged to deposit account

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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.

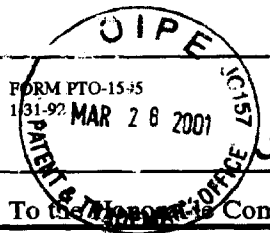
Melvin Kraus, Reg. No. 22,466 Name of Person Signing

[Signature]

April 10, 2002 Date

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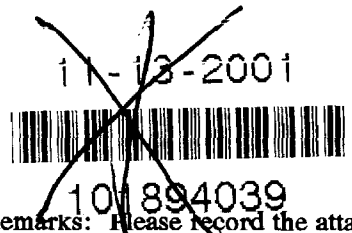
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U.S. DEPARTMENT OF
COMMERCE
Patent and Trademark Office

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

1. Name of conveying party(ies):
Katsuhiko IZUMI; Kunikazu OHNISHI; Kenichi SHIMADA;
Masayuki INOUE; Shinji FUJITA
NOV 6 6 2001
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
Name: Hitachi, Ltd.
Street Address: 6, Kanda Surugadai 4-chome, Chiyoda-ku
City: Tokyo:
Country: Japan
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: January 17, 2001 and January 23, 2001

4. Application number(s) or patent number(s): 09/726,557
If this document is being filed together with a new application, the execution date of the application is:
A. Patent Application No.(s)
B. Patent No.(s)
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP
Internal Address:
Street Address: 1300 North Seventeenth Street
Suite 1800
City: Arlington State: VA Zip: 22209

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41)\$40.00
 Enclosed
 Any deficiencies may be charged to deposit account
 Authorized to be charged to deposit account
8. Deposit account number: 01-2135
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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.

Gregory E. Montone
Name of Person Signing
Attorney Registration No. 29,621
Signature

March 28, 2001
Date

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

OMB No. 0651-0011 (exp. 4/94)

E5624-C
(*)

ASSIGNMENT (譲 渡 証)

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to Katsuhiko IZUMI, Kunikazu OHNISHI, Kenichi SHIMADA, Masayuki INOUE and Shinji FUJITA citizens of Japan by HITACHI, LTD. and Hitachi Media Electronics Co., Ltd. corporations organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan and 1, Kitano, Shinjo Mizusawa-shi Iwate-ken, Japan, respectively, receipt of which is hereby acknowledged, we, the said Katsuhiko IZUMI, Kunikazu OHNISHI, Kenichi SHIMADA, Masayuki INOUE and Shinji FUJITA do hereby sell and assign to said HITACHI, LTD. and Hitachi Media Electronics Co., Ltd. their successors and assigns, all our right, title and interest, in and for the United States of America, in and to **OPTICAL DETECTOR, OPTICAL PICKUP AND OPTICAL INFORMATION REPRODUCING APPARATUS USING OPTICAL PICKUP** *U.S. Serial No.09/726,557 filed on December 1, 2000 invented by us and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI, LTD. and Hitachi Media Electronics Co., Ltd. their successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made;

And we hereby agree to sign and execute any further documents or 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, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD. and Hitachi Media Electronics Co., Ltd.

Signed on the date(s) indicated aside signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
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|----|-------------------------|-------------------------|
| 1) | <u>Katsuhiko Izumi</u> | <u>January 17, 2001</u> |
| 2) | <u>Kunikazu Ohnishi</u> | <u>1/17/01</u> |
| 3) | <u>Kenichi Shimada</u> | <u>1/17/01</u> |
| 4) | <u>Masayuki Inoue</u> | <u>1/17/01</u> |
| 5) | <u>Shinji Fujita</u> | <u>January 23, 2001</u> |
| 6) | _____ | _____ |
| 7) | _____ | _____ |
| 8) | _____ | _____ |
| 9) | _____ | _____ |