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U.S. DEPARTMENT OF COMMERCE
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Attorney Docket No. 520.46033X00

To the Honorable Commissioner of Patents **103225298** original documents or copy thereof.

1. Name of conveying party(ies):
Tomoto KAWAMURA
Kunikazu OHNISHI
Masayuki INOUE
Katsuhiko IZUMI

2. Name and address of receiving party(ies)
Name: **Hitachi Media Electronics Co., Ltd.**

Street Address: **1, Aza-Kitano, Shinjo, Mizusawa-ku, Oshu, Iwate, Japan**

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance/ Execution Date: **4/5/06; 4/5/06; 4/5/06; 4/5/06.**

Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other .

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

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

A. Patent Application No.(s)
11/369,077

This document is being filed together with a new application.

B. Patent Registration No.(s)

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **ANTONELLI, TERRY, STOUT & KRAUS, LLP**

Internal Address:

1300 NORTH 17TH STREET - SUITE 1800

City: **ARLINGTON** State: **VA** Zip **22209**

Phone Number: **(703) 312-6600**
Facsimile Number: **(703) 312-6666**
Email Address: **email@antonelli.com**

6. Total number of applications and patents involved **1**

7. Total fee (37 CFR 3.41)..... **\$40.00**

Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information:

a. Credit Card Last 4 numbers: **1032**
Expiration date: **06/06**

b. Deposit account number: **01-2135**

Authorized User Name: **Ronald J. Shore**

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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#22,466
Name of Person Signing

Signature

04/19/06
Date

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

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RE: FD:9821

48.00 CP

ASSIGNMENT
(譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi Media Electronics Co., Ltd., a corporation organized under the laws of Japan, located at 1, Aza-Kitano, Shinjo, Mizusawa-ku, Oshu, Iwate, Japan receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi Media Electronics Co., Ltd., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

PHOTODETECTOR, DIFFRACTION GRATING, OPTICAL PICKUP AND OPTICAL DISC APPARATUS

invented by me (if only one is named below) or us (if plural inventors are named below) 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 Media Electronics Co., Ltd., its 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 me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the 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 I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi Media Electronics Co., Ltd.,

Signed on the date(s) indicated aside our signatures:

INVENTOR(S)
(発明者フルネームサイン)

Date Signed
(署名日)

1) <u>Tomoto Kawamura</u>	<u>April, 5, 2006</u>
2) <u>Kunikazu Ohnishi</u>	<u>April, 5, 2006</u>
3) <u>Masayuki Inoue</u>	<u>April, 5, 2006</u>
4) <u>Katsuhiko Izumi</u>	<u>April, 5, 2006</u>
5) _____	_____
6) _____	_____
7) _____	_____
8) _____	_____
9) _____	_____
10) _____	_____