

04-01-2005

U.S. DEPARTMENT OF COMMERCE
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102971.417

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

- 1.) Rajminder Singh
- 2.) Satoshi Yamauchi
- 3.) Ming Li
- 4.) Jimmy Yi-Jie Jia
- 5.) Tetsuo Ohara
- 6.) Xinbing Liu

Execution Date(s) 1.), 2.), 5.) & 6.) 03/21/05 and 3.) & 4.) 03/18/05Additional name(s) of conveying party(ies) attached? ☐ YES ☒ NO**3. Nature of Conveyance:**

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Correction of Assignment Recordation
 (previously recorded at Reel _____, Frame _____).
☐ Other

2. Name and address of receiving party(ies):Name: Matsushita Electric Industrial Co., Ltd.

Internal Address: _____

Street Address: 1006, Oaza Kadoma, Kadoma-shiCity: Osaka

State: _____

Zip: 571-8501Country: JAPANAdditional name(s) & address(es) attached? ☐ YES ☒ NO**4. Application or patent number(s):** ☒ This document is being filed together with a new application.

A. Patent Application Number(s) _____

B. Patent Number(s) _____

Additional number(s) attached? ☐ YES ☒ NO**5. Name and address of party to whom correspondence concerning document should be mailed:**Name: Kenneth N. Nigon
Internal Address: RatnerPrestia

- ☒ Street Address: Suite 301
One Westlakes
Berwyn, P.O. Box 980
 City: Valley Forge State: PA
 ZIP: 19482-0980

OR

- ☐ Street Address: Nemours Building
1007 Orange Street
Suite 1100, P.O. Box 1596
 City: Wilmington State: DE
 ZIP: 19899

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 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 Informationa. Credit Card - Last 4 Numbers 1005
Expiration Date 03/06b. Deposit Account Number _____
Authorized User Name _____**9. Signature:**

Signature

3/22/05
Date

Lowell L. Carson

Name of Person Signing

48,548

Registration Number

Total number of pages including
cover sheet, attachments and
documents: 3Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

03/25/2005 MBELETE1 00000060 11086890

05 FC:8021

(40.00 DP)

PATENT
REEL: 016405 FRAME: 0425

ASSIGNMENT - Patent ApplicationDocket Number: **MKPA-115US**

Whereas, the Assignor, comprising the following named inventors:

ASSIGNOR(s)/ INVENTOR(s)	1. Rajminder Singh	2. Satoshi Yamauchi
	3. Ming Li	4. Jimmy Yi-Jie Jia
	5. Tetsuo Ohara	6. Xinbing Liu

made an invention entitled: **MULTICORE OPTICAL FIBER WITH INTEGRAL DIFFRACTIVE ELEMENTS MACHINED
BY ULTRAFAST LASER DIRECT WRITING**

for which an application for Letters Patent of the United States:

(Select one of the following):

- ☒ is executed concurrently herewith
☐ was filed in the U.S. Patent and Trademark Office on _____,
as U.S. Patent Application Serial No.: _____

ASSIGNEE
(Full Name and Address)**Matsushita Electric Industrial Co., Ltd.
1006, Oaza Kadoma, Kadoma-shi
Osaka 571-8501
JAPAN**

is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,

Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns, the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions, continuations, and continuations-in-part thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.

Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument.


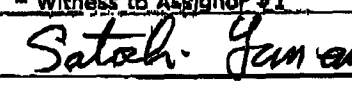
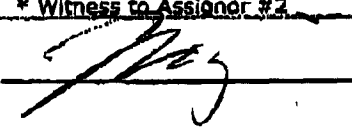
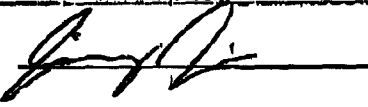
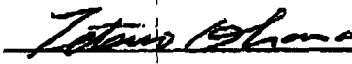
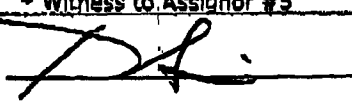
If the invention requires a biological deposit, Assignor also grants to Assignee such control over any deposit made by Assignor as may be necessary to the validity of the patent rights assigned herein.

ASSIGNMENT - Patent ApplicationDocket Number: **MKPA-115US**

Assignor authorizes Assignor's attorney to insert at the end hereof, the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney Docket or file designation for this application if not identified above.

If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

In witness whereof, this Assignment is executed on the day indicated below.

Typed or Printed Name	Signature	Date
1. Rajminder Singh		3/21/05
* Witness to Assignor #1		
2. Satoshi Yamauchi		3-21-05
* Witness to Assignor #2		
3. Ming Li		3-18-2005
* Witness to Assignor #3		
4. Jimmy Yi-Jie Jia		3-18-2005
* Witness to Assignor #4		
5. Tetsuo Ohara		3-21-05
* Witness to Assignor #5		
6. Xinbing Liu		3-21-05
* Witness to Assignor #6		

Application for United States Letters Patent:

Serial No.: _____

Filed: _____

Attorney Docket Number: **MKPA-115US**Total Number of Assignment Pages **2**

* Witness signature recommended, mandatory for some countries