

06-23-2005

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

Chen-Hsiung Cheng

Execution Date(s) June 9, 2005

Additional name(s) of conveying party(ies) attached? ☐ YES ☒ NO

**2. Name and address of receiving party(ies):**

Name: Matsushita Electric Industrial Co., Ltd.

Internal Address: \_\_\_\_\_

Street Address: 1006, Oaza Kadoma, Kadoma-shi

City: Osaka

State: \_\_\_\_\_

Zip: 571-8501

Country: JAPAN

Additional name(s) & address(es) attached? ☐ YES ☒ NO

**3. Nature of Conveyance:**

- ☒ Assignment ☐ Merger  
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☐ Other

**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  
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☒ Street Address: Suite 301  
One Westlakes  
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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

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**9. Signature:**

Lowell L. Carson  
Signature

6/16/05  
Date

Lowell L. Carson  
Name of Person Signing

48,548  
Registration Number

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**PATENT**  
**REEL: 016705 FRAME: 0508**

113211 U.S. PTO  
11/154316

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**ASSIGNMENT - Patent Application**Docket Number: **MATG-407US**

Whereas, the Assignor, comprising the following named inventors:

ASSIGNOR(s)/ INVENTOR(s)	1. <b>Chen-Hsiung Cheng</b>	2.
	3.	4.
	5.	6.

made an invention entitled: **IMPROVED COUPLING METHOD FOR COUPLING HIGH POWER OPTICAL BEAMS  
INTO AN OPTICAL WAVEGUIDE**

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.

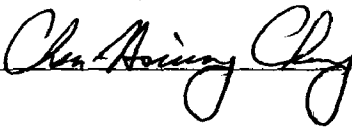
If the invention requires a biological deposit, Assignor also grants to Assignee such control over any deposit made by Assignor as may be necessary to the validity of the patent rights assigned herein.

**ASSIGNMENT - Patent Application**Docket Number: **MATG-407US**

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. Chen-Hsiung Cheng		6/9/05
	* Witness to Assignor #1	
2.		
	* Witness to Assignor #2	
3.		
	* Witness to Assignor #3	
4.		
	* Witness to Assignor #4	
5.		
	* Witness to Assignor #5	
6.		
	* Witness to Assignor #6	

SIGNATURE

Application for United States Letters Patent:

Serial No.: \_\_\_\_\_

Filed: \_\_\_\_\_

Attorney Docket Number: **MATG-407US**Total Number of Assignment Pages **2**

\* Witness signature recommended, mandatory for some countries