US. DEPARTMENT OF COMMERCE Mile Not. 0551027 0: 00: 00: 00: 00: 00: 00: 00: 00: 00:	. 11-1	19-2007
NV I 3 2007       103462018         To the Direction of the U.S. Present and Trademark Office: Please record the attached documents or the new address(es) below.         1. Name of converging partyles/Execution Date(s): Hiroyuki YaGYU (09/03/2007). Tooru NAKASHIBA (09/03/2007) and Shinji HASHIMOTO (09/03/2007)       2. Name and address of receiving partyles)         Name: Matsushiita Electric Works, Ltd. Additional name(s) of converging partyles) attached?       Name: Matsushiita Electric Works, Ltd. Additional name(s) of converging partyles) attached?         Security Agreement       Change of Name         Government linterest Assignment       Additional name(s) & address(es)       Yes         Executive Order 9424, Confirmatory License       Additional name(s) & address(es)       Yes       No         4. Application or patent number(s):       X       This document is being filed together with a new application.       B. Patent No.(s)         This application       B. Patent No.(s)       This document is papilications and patents involved:       1         Name:       Lee Cheng       6. Total number of applications and patents involved:       1         Name:       Lee Cheng       7       Yes       No         Cheng Law Group, PLLC       7. Total fee (37 CFR 1.21(h) & 3.41)       40.00       Implication         State:       DC       2p;       20036       None required (government interest not affecting title) <th>Form PTO-1595 (Rev. 9/04)</th> <th>U.S. DEPARTMENT OF COMMERCE</th>	Form PTO-1595 (Rev. 9/04)	U.S. DEPARTMENT OF COMMERCE
To the Directed type U.S. Partylices/Execution Date(s):         1. Name of conveying partylices/Execution Date(s):         Hiroyuki YAGYU (09/03/2007). Tooru         NAKASHIBA (09/03/2007). Tooru         NAKASHIBA (09/03/2007).         Execution Date(s): in parentheses after inventor name         Additional name(s) of conveying partylice) attached?         Image: Security Agreement         Government Interest Assignment         Executive Order 9424, Confirmatory License         Other         Additional name(s) & address to whom correspondence concerning document should be mailed:         Name:       Lee Cheng         Additional numbers attached?       Yes         Name:       Lee Cheng         Cheng Law Group, PLLC       Total fee (37 CFR 1.21(h) & 3.41)         Internal Address: 1100 17 <sup>th</sup> Street, N.W.       Suite 503         Street Address: 1100 17 <sup>th</sup> Street, N.W.       Suite 503         City:       Washington         State:       DC       zip:         Phone Number:       (202) 530-1280         Fax Number:       (202) 530-1280         Exoumber:       Lobenglawgroup.com	ୁ ନୁ RE	
1. Name of conveying party(ies)/Execution Date(s):       2. Name and address of receiving party(ies)         Hirzyuki YAGYU (09/03/2007), Tooru       Name: Matsushita Electric Works, Ltd.         NAKASHIBA (09/03/2007)       Mare and address of receiving party(ies)         Name: Matsushita Electric Works, Ltd.       Addiress: 1048, Oaza-Kadoma, Kadoma-shi         Osaka 571-8686 JAPAN       Saka 571-8686 JAPAN         Additional name(s) drowwing party(ies) attached?       XNo         3. Nature of Conveying party(ies) attached?       XNo         3. Nature of Conveying party(ies) attached?       XNo         Government Interest Assignment       Change of Name         Government Interest Assignment       Change of Name         Other       Additional numbers         4. Application or patent number(s):       X         A. Patent Application No.(s)       This document is being filed together with a new application.         B. Patent Application No.(s)       B. Patent No.(s)         This application       4. dditional numbers attached?         Name:       Lee Cheng         Cheng Law Group, PLLC       Total number of applications and patents involved:       1         Name:       Lee Cheng         City:       Washington       3. Authorized to be charged by credit card         State:       DC       zip: <td>( NOV 1 3 2007 ) 1034</td> <td>462018</td>	( NOV 1 3 2007 ) 1034	462018
1. Name of conveying party(ies)/Execution Date(s):       2. Name and address of receiving party(ies)         Hirzyuki YAGYU (09/03/2007), Tooru       Name: Matsushita Electric Works, Ltd.         NAKASHIBA (09/03/2007)       Mare and address of receiving party(ies)         Name: Matsushita Electric Works, Ltd.       Addiress: 1048, Oaza-Kadoma, Kadoma-shi         Osaka 571-8686 JAPAN       Saka 571-8686 JAPAN         Additional name(s) drowwing party(ies) attached?       XNo         3. Nature of Conveying party(ies) attached?       XNo         3. Nature of Conveying party(ies) attached?       XNo         Government Interest Assignment       Change of Name         Government Interest Assignment       Change of Name         Other       Additional numbers         4. Application or patent number(s):       X         A. Patent Application No.(s)       This document is being filed together with a new application.         B. Patent Application No.(s)       B. Patent No.(s)         This application       4. dditional numbers attached?         Name:       Lee Cheng         Cheng Law Group, PLLC       Total number of applications and patents involved:       1         Name:       Lee Cheng         City:       Washington       3. Authorized to be charged by credit card         State:       DC       zip: <td>To the Director the U.S. Patent and Trademark Office: Please</td> <td>e record the attached documents or the new address(es) below.</td>	To the Director the U.S. Patent and Trademark Office: Please	e record the attached documents or the new address(es) below.
NAKASHIBA (09/03/2007)       and Shinji         HASHIMOTO (09/03/2007)       Address: 1048, Oaza-Kadoma, Kadoma-shi         Execution Date(s): in parentheses after inventor name       Address: 1048, Oaza-Kadoma, Kadoma-shi         Additional name(s) of conveying party(leb) attached?       X No         3. Nature of Conveyance:       X No         Assignment       Merger         Government Interest Assignment       Change of Name         Other       Additional name(s) & address(es)       Yes         A. Application or patent number(s):       X         A. Patent Application No.(s)       This document is being filed together with a new application.         B. Patent Application No.(s)       B. Patent No.(s)         This application       6. Total number of applications and patents involved:         Name:       Lee Cheng         Cheng Law Group, PLLC       X         Internal Address: 100 17 <sup>th</sup> Street, N.W.       Suite 503         State:       DC         Zip:       20036         Phone Number:       (202) 530-1280         Fax Number:       (202) 530-1281         Fax Number:       (202) 530-1281         Fax Number:       Licheng@chenglawgroup.com		
3. Nature of Conveyance:         X Assignment         Government Interest Assignment         Executive Order 9424, Confirmatory License         Other         Other         Asplication or patent number(s):         A. Application no ratent number(s):         A. Patent Application No.(s)         This application         B. Patent Application No.(s)         This application         B. Patent No.(s)         S. Name and address to whom correspondence concerning document should be mailed:         Name:       Lee Cheng         Cheng Law Group, PLLC         Internal Address: Atty. Dkt.: HOK-0307         Street Address: Atty. Dkt.: HOK-0307         Street Address: Atty. Dkt:: HOK-0307         Street Address: Atty. Dkt:: Government interest not affecting title)         City:       Washington         State:       DC         DC       Zip:         20036         Phone Number:       (202) 530-1280         Fax Number:       (202) 530-1281         Email Address:       Icheng@@chenglawgrop.com	Hiroyuki YAGYU (09/03/2007), Tooru NAKASHIBA (09/03/2007) and Shinji HASHIMOTO (09/03/2007) Execution Date(s): in parentheses after inventor name	Address: 1048, Oaza-Kadoma, Kadoma-shi Osaka 571-8686 JAPAN
x Assignment       Merger         Security Agreement       Change of Name         Government Interest Assignment       Additional name(s) & address(es)       Yes       x No         attached:       Additional name(s) & address(es)       Yes       x No         4. Application or patent number(s):       x       This document is being filed together with a new application.         A. Patent Application No.(s)       x       This document is being filed together with a new application.         5. Name and address to whom correspondence concerning document should be mailed:       8. Patent No.(s)       1         Name:       Lee Cheng       1       7. Total fee (37 CFR 1.21(h) & 3.41)       40.00         Internal Address: Atty. Dkt.: HOK-0307       Street Address: 1100 17 <sup>th</sup> Street, N.W.       X. Authorized to be charged to deposit account         Street Address: 100 17 <sup>th</sup> Street, N.W.       Suite 503       8. Payment Information       a. Credit Card       1008         City:       Washington       8. Payment Information       a. Credit Card       1008       1009         Fax Number:       (202) 530-1281       D.       01/09       D. Deposit Account Number		
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concerning document should be mailed:       patents involved:       1         Name:       Lee Cheng Cheng Law Group, PLLC       7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00         Internal Address: Atty. Dkt.: HOK-0307 Street Address: 1100 17 <sup>th</sup> Street, N.W. Suite 503       7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00         X       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         state:       DC         Zip:       20036         Phone Number:       (202) 530-1280         Fax Number:       (202) 530-1281         Email Address:       Icheng@chenglawgroup.com		
Cheng Law Group, PLLC         Internal Address: Atty. Dkt.: HOK-0307         Street Address: 1100 17 <sup>th</sup> Street, N.W.         Suite 503         City:       Washington         State:       DC         Zip:       20036         Phone Number:       (202) 530-1280         Fax Number:       (202) 530-1281         Email Address:       Icheng@chenglawgroup.com    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      Authorized to be charged to deposit account      Benclosed      None required (government interest not affecting title)  8. Payment Information         a. Credit Card Last 4 Numbers         1008         Expiration Date         01/09         b. Deposit Account Number         Authorized User Name          Authorized User Name		
Street Address: 1100 17 <sup>th</sup> Street, N.W.       Authorized to be charged to deposit account         Suite 503       Enclosed         None required (government interest not affecting title)         City:       Washington         State:       DC         Zip:       20036         Phone Number:       (202) 530-1280         Fax Number:       (202) 530-1281         Email Address:       Icheng@chenglawgroup.com	Lee Onlong	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00
Suite 503       Image: Suite 503         Suite 503       Enclosed         Image: Suite 503       Enclosed         State: DC       Zip: 20036         Phone Number: (202) 530-1280       8. Payment Information         Fax Number: (202) 530-1281       b. Deposit Account Number         Email Address: Icheng@chenglawgroup.com       b. Deposit Account Number		X Authorized to be charged by credit card
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Signature     Date       Lee Cheng – 40,949     Total number of pages including cover sheet, attachments, and documents;	s. Signature.	November 13, 2007
Lee Cheng – 40,949 $\gamma$ Total number of pages including cover 2	•	Date
	Lee Cheng – 40,949 Name of Person Signing	Total number of pages including cover 2 sheet, attachments, and documents: 2
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## RADER, FISHMAN & GRAUER, PLLC

Docket No.

## **U.S. ASSIGNMENT**

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

[Insert ASSIGNEE's Name(s) Address(es)]

[Title of Invention]

[\*If the assignment is being filed after the filing of the application, this section must be completed]

## Matsushita Electric Works, Ltd. of 1048, Oaza-Kadoma, Kadoma-shi, Osaka 571-8686, Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

## PROCESS OF FORMING A DEFLECTION MIRROR IN A LIGHT WAVEGUIDE

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

\*filed on , Serial No.

(Rader, Fishman & Grauer, PLLC is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

柳主博之	Hiroyuki YAGYU	Sep. 3, 2007
(SIGNATURE), 中世 伯文	(TYPE NAME) Tooru NAKASHIBA	(DATE) Sep. 3, 2007
(SIGNATURE) 橋本俱治	(TYPE NAME) Shinji HASHIMOTO	(DATE) Sep. 3, 2007
(SIGNATURE)	(TYPE NAME)	(DATE)
(SIGNATURE)	(TYPE NAME)	(DATE)
(SIGNATURE)	(TYPE NAME)	(DATE)

[Signature(s) of Assignor(s)]