

Form PTO-1595 (Rev. 09/04)
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U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET

PATENTS ONLY

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):

SHINIL KANG (07/09/2010),
JI SEOK LIM (07/09/2010),
MIN SEOK CHOI (07/09/2010), AND
HIO KWAN KIM (07/09/2010)

Execution Date(s). In parentheses after inventor name

Additional 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
☐ Other _____

2. Name and address of receiving party(ies)

INDUSTRY-ACADEMIC
CO-OPERATION FOUNDATION,
YONSEI UNIVERSITY

Name: _____

Internal Address: _____

Street Address: _____

YONSEI UNIVERSITY, 134
SINCHON-DONG, SEODAEMUN-GU

City: _____ SEOUL

State: _____

Country: REPUBLIC OF KOREA Zip: 120-749

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

4. Application or patent number(s):

A. Patent Application No.(s)
12/812,357

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Alexander D. Walter
LERNER, DAVID, LITTENBERG,
KRUMHOLZ & MENTLIK, LLP

Internal Address: Atty. DKL: AKROS 3.3-004

Street Address: 600 South Avenue West

City: _____ Westfield

State: _____ NJ Zip: 07090

Phone Number: (908) 654-5000

Fax Number: (908) 654-0415

Email Address: _____

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 Information

a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit Account Number 12-1095

Authorized User Name Alexander D. Walter

9. Signature:

Alexander D. Walter

Signature

July 13, 2010

Date

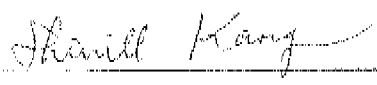

Alexander D. Walter - 60.419

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents

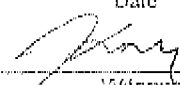
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CH \$40.00 121095 12812357

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
Whereas, I, <u>Shinill KANG</u> of	
<u>102-1107, Daerim Apartment, Daebang-dong, Dongjak-ku, Seoul 156-020, Republic of Korea</u>	
hereafter referred to as assignor, have with others invented certain new and useful improvements in	
WAFER-SCALE ARRAY OF OPTICAL PACKAGE AND METHOD FOR FABRICATING THE SAME	
<input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>July 9, 2010</u>	
Application Number <u>12/812,357</u>	
<input type="checkbox"/> for which an application for a United States Letters Patent was executed by me on _____	
<input checked="" type="checkbox"/> for which an International Application was filed on <u>January 10, 2009</u> as	
<u>PCT/KR2009/000153</u> , designating the United States.	
And	
INDUSTRY-ACADEMIC CO-OPERATION FOUNDATION, YONSEI	
Whereas, <u>UNIVERSITY</u>	
a corporation of <u>Korea, Republic of</u> , herein referred to as "assignee" whose mailing address is	
<u>Yonsei University, 134, Sinchon-dong, Seodaemun-gu, Seoul 120-749, Republic of Korea</u>	
is desirous of acquiring the entire right, title and interest in the same;	
NOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ <u>1.00</u>), the receipt whereof	
is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said	
assignee my entire right, title and interest for the United States of America and all other countries in and to said	
invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue	
applications and patents applied for or granted therefor in the United States of America and all other countries, for	
said invention, including without limitation all applications and patents for said invention claiming priority or benefit of	
the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past	
infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and	
legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and	
Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to	
said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal	
representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver	
all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all	
assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts	
known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other	
legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all	
rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to	
obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne	
and paid by said assignee	
And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application	
when known.	
<u>July 9, 2010</u> Date	 Shinill KANG
 Witness	
<u>Brungweok Kim</u> Typed Name of Witness	
<input checked="" type="checkbox"/> Total of <u>4</u> forms are submitted.	

PATENT

REEL: 024679 FRAME: 0994

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
Whereas, I, <u>Ji Seok LIM</u> of <u>518-301, Yangji Maeul Hanyang Apt., Sunae-dong, Bundang-gu, Seongnam-si, Gyeonggi-do</u> <u>463-922, Republic of Korea</u>	
hereafter referred to as assignor, have with others invented certain new and useful improvements in WAFER-SCALE ARRAY OF OPTICAL PACKAGE AND METHOD FOR FABRICATING THE SAME	
<input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>July 9, 2010</u> Application Number <u>12/812,357</u> <input type="checkbox"/> for which an application for a United States Letters Patent was executed by me on _____ <input checked="" type="checkbox"/> for which an International Application was filed on <u>January 10, 2009</u> , as <u>PCT/KR2009/000153</u> , designating the United States.	
And <u>INDUSTRY-ACADEMIC CO-OPERATION FOUNDATION, YONSEI</u> <u>UNIVERSITY</u>	
Whereas, <u>UNIVERSITY</u> a corporation of <u>Korea, Republic of</u> herein referred to as "assignee" whose mailing address is <u>Yonsei University, 134, Sinchon-dong, Seodaemun-gu, Seoul 120-749, Republic of Korea</u> is desirous of acquiring the entire right, title and interest in the same;	
NOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ <u>1.00</u>), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.	
And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.	
<u>July 9 2010</u> Date  Witness <u>Byungwook Kim</u> Typed Name of Witness	<u>Ji Seok LIM</u> Ji Seok LIM

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
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Whereas, I, Min Seok CHOI of
106-101, Bugok Daewoo Apt., 244-7, Bugok-dong, Gumjeong-gu, Pusan
609-320, Republic of Korea

hereafter referred to as assignor, have with others invented certain new and useful improvements in
**WAFER-SCALE ARRAY OF OPTICAL PACKAGE AND METHOD FOR
 FABRICATING THE SAME**

☒ for which an application for a United States Letters Patent was filed on July 9, 2010
 Application Number 12/812,357

☐ for which an application for a United States Letters Patent was executed by me on _____


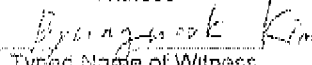
☒ for which an International Application was filed on January 10, 2009, as
PCT/KR2009/000153, designating the United States.

And INDUSTRY-ACADEMIC CO-OPERATION FOUNDATION, YONSEI
UNIVERSITY


Whereas, UNIVERSITY
 a corporation of Korea, Republic of herein referred to as "assignee" whose mailing address is
Yonsei University, 134, Sinchon-dong, Soodaemun-gu, Seoul 120-749, Republic of Korea
 is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof
 is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said
 assignee my entire right, title and interest for the United States of America and all other countries in and to said
 invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue
 applications and patents applied for or granted therefor in the United States of America and all other countries, for
 said invention, including without limitation all applications and patents for said invention claiming priority or benefit of
 the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past
 infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and
 legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and
 Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to
 said assignee herein, as assignee of the entire interest therein, and the undersigned for me and my legal
 representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver
 all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all
 assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts
 known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other
 legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all
 rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to
 obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne
 and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application
 when known.

July 9, 2010
 Date

 Witness

 Typed Name of Witness

Minseok Choi
 Min Seok CHOI

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
<p>Whereas, I, <u>Ho Kwan KIM</u> of <u>405, Dreamvil, #44-29, Yeonhui 3-dong, Seodaemun-gu, Seoul 120-840, Republic of Korea</u></p> <p>hereafter referred to as assignor, have with others invented certain new and useful improvements in WAFER-SCALE ARRAY OF OPTICAL PACKAGE AND METHOD FOR FABRICATING THE SAME</p> <p><input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>July 9, 2010</u> Application Number <u>12/812,357</u></p> <p><input type="checkbox"/> for which an application for a United States Letters Patent was executed by me on _____</p> <p><input checked="" type="checkbox"/> for which an International Application was filed on <u>January 10, 2009</u> as <u>PCT/KR2009/000153</u>, designating the United States.</p> <p>And <u>INDUSTRY-ACADEMIC CO-OPERATION FOUNDATION, YONSEI UNIVERSITY</u></p> <p>Whereas, <u>UNIVERSITY</u> a corporation of <u>Korea, Republic of</u> herein referred to as "assignee" whose mailing address is <u>Yonsei University, 134, Sinchon-dong, Seodaemun-gu, Seoul 120-749, Republic of Korea</u> is desirous of acquiring the entire right, title and interest in the same;</p> <p>NOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ <u>1.00</u>), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.</p> <p>And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known</p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="text-align: center;"> <u>July 9, 2010</u> Date </div> <div style="text-align: center;"> <u>Hokwan Kim</u> Ho Kwan KIM </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="text-align: center;">  Witness </div> <div style="text-align: center;"> <u>Byungseok Kim</u> Typed Name of Witness </div> </div>	