

## PATENT ASSIGNMENT COVER SHEET

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<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JONG-AHN KIM	12/05/2015
JAE-WAN KIM	12/05/2015
JAE-YONG LEE	12/05/2015
JAE-HEUN WOO	12/05/2015
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<b>Postal Code:</b>	305-340
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14988332
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<b>NAME OF SUBMITTER:</b>	NINA DHILLON
<b>SIGNATURE:</b>	/nina dhillon/
<b>DATE SIGNED:</b>	01/05/2016
<b>Total Attachments: 3</b>	
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PATENT

Atty Docket: 1778/49

ASSIGNMENT

WHEREAS, we, **Jong-Ahn KIM** of **Daejeon**, Republic of Korea, **Jae-Wan KIM** of **Daejeon**, Republic of Korea, **Jae-Yong LEE** of **Cheongju-si**, Republic of Korea, **Jae-Heun WOO** of **Daejeon**, Republic of Korea, hereinafter ("Assignors"), have invented certain new and useful improvements in **THICKNESS MEASURING APPARATUS AND THICKNESS MEASURING METHOD** for which application for which a U.S. Letters Patent was made based on Korean Application No. 10-2015-0004240 filed January 12, 2015. We hereby authorize and request our attorneys, Jenkins, Wilson, Taylor & Hunt, P.A., to insert here in parentheses (application number 14/988,332, filed January 5, 2016) the filing date and application number of said application when known.

AND, WHEREAS, **KOREA RESEARCH INSTITUTE OF STANDARDS AND SCIENCE**, a corporation located at 267, Gajeong-ro, Yuseong-gu Daejeon 305-340, Republic of Korea (hereinafter "Assignee"), is desirous of acquiring an interest therein.

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors have sold and by these presents do hereby sell, assign, transfer and convey unto the said Assignee, its successors and assigns, their entire right, title and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with their right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this assignment and sale had not been made.

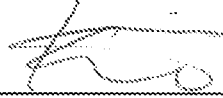
Assignors hereby request that said Letters Patent be issued in accordance with this assignment.

Assignors further covenant and agree that, at the time of the execution and delivery of these presents, Assignors possess full title to the invention and application above-mentioned, and that they have the unencumbered right and authority to make this assignment.

Assignors further covenant and agree, and likewise bind their heirs, legal representatives and assigns, to promptly communicate to said Assignee or its representatives any facts known to them relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the Assignee, its representatives, successors

and assigns to secure patent or similar protection for the said invention in all countries and to vest in the Assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said Assignee, its successors, assigns and other legal representatives.

Executed this 05 day of December 2015.



Jong-Ahn KIM

Witnessed by:

Jae-Meun Woo 05.12.2015

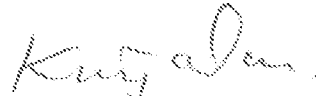
Name

Date

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Date

Executed this 05 day of December 2015.



Jae-Wan KIM

Witnessed by:

Jong-Ahn Kim 05.12.2015

Name

Date

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Executed this 05 day of December 2015.

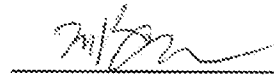
  
\_\_\_\_\_  
Jae-Yong LEE

Witnessed by:

Jong-Ahn Kim 05.12.2015  
Name Date

\_\_\_\_\_  
Name Date

Executed this 05 day of December 2015.

  
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Jae-Heun WOO

Witnessed by:

Jong-Ahn Kim 05.12.2015  
Name Date

\_\_\_\_\_  
Name Date