

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3391440

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MYUNG-GEOL PANG	06/08/2015
WOO-SUNG KWON	06/08/2015
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<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	156-756
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14711741
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<b>SIGNATURE:</b>	/Steven J. Hultquist/
<b>DATE SIGNED:</b>	06/10/2015
<b>Total Attachments: 2</b>	
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ASSIGNMENT

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We, **MYUNG-GEOL PANG**, and **WOO-SUNG KWON**, have made an invention the specification of which is described in U.S. Patent Application No. 14/711,741 filed in the United States Patent and Trademark Office on May 13, 2015 entitled:

**"METHOD OF PREDICTING ANIMAL LITTER SIZE USING PROTEIN BIOMARKERS RELATED WITH FERTILITY, AND METHOD OF PREDICTING ANIMAL SPERM QUALITY AND LITTER SIZE USING CHLORTETRACYCLINE STAINING"**

We hereby assign to **Chung Ang University Industry Academic Cooperation Foundation**, 84, Heukseok-ro, Dongjak-gu, Seoul 156-756, Republic of Korea, all ownership and rights in:

- (i) the invention and U.S. Patent Application;
- (ii) non-provisional, continuing, divisional and continuation-in-part applications based on and claiming benefit and/or priority of said U.S. Patent Application;
- (iii) U.S. Patents on the invention; and
- (iv) corresponding foreign patent applications and patents.

We are making this assignment based on our business relationship with **Chung Ang University Industry Academic Cooperation Foundation**.

We respectfully request the Commissioner for Patents of the United States and the appropriate officers of all foreign countries to issue patents on the invention to:

**Chung Ang University Industry Academic Cooperation Foundation**

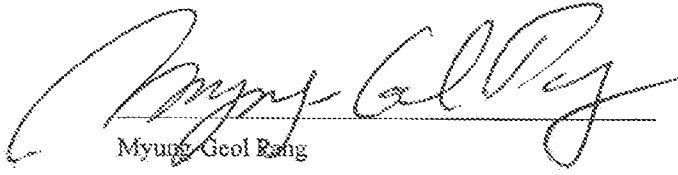
as owner of the invention and aforementioned patent rights.

We agree to execute any other legal documents that may be required to effectuate this Assignment.

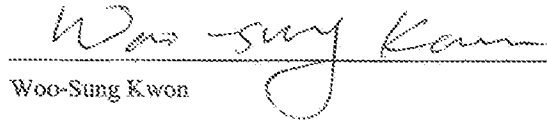
We agree that we will promptly communicate to **Chung Ang University Industry Academic Cooperation Foundation** all facts which come to our attention affecting the invention or patent rights.

We agree that we will testify in any interference or litigation involving the invention or patent rights.

We declare that we have not done anything in conflict with this Assignment.

  
Myung Geol Kang

June 08 2015  
Date (mm/dd/yyyy)

  
Woo-Sung Kwon

June 08 2015  
Date (mm/dd/yyyy)