

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kyoko UCHIYAMA</td> <td>05/27/2013</td> </tr> <tr> <td>Yoshiaki MINATO</td> <td>05/27/2013</td> </tr> </tbody> </table>		Name	Execution Date	Kyoko UCHIYAMA	05/27/2013	Yoshiaki MINATO	05/27/2013
Name	Execution Date						
Kyoko UCHIYAMA	05/27/2013						
Yoshiaki MINATO	05/27/2013						
RECEIVING PARTY DATA							
Name:	Livestock Improvement Association of Japan, Inc.						
Street Address:	Ishima-building, 11-17, Huyuki						
City:	Koto-ku, Tokyo						
State/Country:	JAPAN						
Postal Code:	135-0041						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13990987</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13990987		
Property Type	Number						
Application Number:	13990987						
CORRESPONDENCE DATA							
Fax Number:	6123329081						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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Signature:	/Dianna G. El Hioum/						
Date:	06/19/2013						
Total Attachments: 1 source=2013-06-19-Signed Assignment#page1.tif							

OP \$40.00 13990987

# 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))

Livestock Improvement Association of Japan, Inc.

Ishima-building, 11-17, Huyuki, Koto-ku, Tokyo 135-0041, 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

(Title of  
Invention)

ARTIFICIAL INSEMINATION STRAW

relating to International Patent Application PCT/JP 2011 / 077813 and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(Insert date  
of execution  
of application,  
if not  
concurrent)

(a) executed on \_\_\_\_\_;  
(b) filed on May 31, 2013  
Serial No. 13 / 990987;

*Assignee's attorney is hereby authorized to insert in (b) the specified data, when known.*

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

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

(Signatures)

1)	<u>Kyoko Uchiyama</u> (SIGNATURE)	Kyoko Uchiyama (TYPE NAME)	<u>May 27, 2013</u> (DATE)
2)	<u>Yoshiaki Minato</u> (SIGNATURE)	Yoshiaki Minato (TYPE NAME)	<u>May 27, 2013</u> (DATE)
3)	_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
4)	_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
5)	_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
6)	_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
7)	_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
8)	_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)

**PATENT**