

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>James Thomson</td> <td>07/20/2010</td> </tr> <tr> <td>Tenneille Ludwig</td> <td>09/12/2011</td> </tr> </tbody> </table>		Name	Execution Date	James Thomson	07/20/2010	Tenneille Ludwig	09/12/2011				
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James Thomson	07/20/2010										
Tenneille Ludwig	09/12/2011										
<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	Wisconsin Alumni Research Foundation										
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<b>State/Country:</b>	WISCONSIN										
<b>Postal Code:</b>	53726										
<b>PROPERTY NUMBERS Total: 4</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>60608040</td> </tr> <tr> <td>Application Number:</td> <td>11221457</td> </tr> <tr> <td>Application Number:</td> <td>12754574</td> </tr> <tr> <td>PCT Number:</td> <td>US0531838</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	60608040	Application Number:	11221457	Application Number:	12754574	PCT Number:	US0531838
Property Type	Number										
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<b>ATTORNEY DOCKET NUMBER:</b>	P09119US, P04124PV/US/WO										

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**PATENT  
 REEL: 026960 FRAME: 0403**

NAME OF SUBMITTER:

Amy Kruse

Total Attachments: 3

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ASSIGNMENT  
(Joint Inventors)

I am one of the persons identified as an inventor and who has contributed to a new and useful invention (the "Invention") described in the provisional or utility United States patent application and/or the patent application filed under the Patent Cooperation Treaty, as identified below. These patent application(s) are identified as follows:

Filing Type	Filing Country	Serial Number	Filing Date
MEDIUM AND CULTURE OF EMBRYONIC STEM CELLS			
PRV	UNITED STATES	60/608040	September 8, 2004

MEDIUM CONTAINING PIPECHOLIC ACID AND GAMMA AMINO BUTYRIC ACID AND CULTURE OF EMBRYONIC STEM CELLS			
PAT	UNITED STATES	11/221457	September 8, 2005

MEDIUM AND CULTURE OF EMBRYONIC STEM CELLS			
PCT	W.I.P.O. (IS PCT)	PCT/US2005/031838	September 8, 2005

MEDIUM AND CULTURE OF EMBRYONIC STEM CELLS			
CIP	UNITED STATES	12/754574	April 5, 2010

For good and valuable consideration, the receipt of which I hereby acknowledge, I do hereby sell, assign, and transfer to the Wisconsin Alumni Research Foundation ("WARF"), a non-stock, non-profit, Wisconsin corporation, and to its legal representatives, successors and assigns, my entire right, title and interest in and to the Invention and to all United States provisional and utility applications as well as foreign patents or patent applications any of which cover all or part of the Invention. WARF shall hold such right, title and interest as fully and completely as they would have been held by me had this assignment and sale not been made.

I further agree, upon WARF's request, to execute any documents, including any separate assignments, declarations or other legal documents, that WARF may find necessary or desirable in its exercise of the right, title and interest assigned above. I further agree to communicate to WARF any facts relating either to the Invention or to any of the patent or patent applications based on the Invention that might be useful to WARF and to testify about any such facts in any interferences or litigation, if requested by WARF to do so. I shall do the above acts without additional compensation but at no expense to me.

Should the application number of any of the patent applications referenced above be unavailable the date that I execute this document, WARF is authorized by me to insert the application number and filing dates of these patent applications into this document. WARF is also specifically authorized to record this document as evidence of my assignment to WARF of any subsequent United States patent application claiming priority from any of the above identified patent applications.

Ref: P09119US  
Wisconsin Alumni Research Foundation



