

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Glen Delbert ANTWILER	01/02/2013
RECEIVING PARTY DATA	
Name:	Terumo BCT, Inc.
Street Address:	10811 West Collins Avenue
City:	Lakewood
State/Country:	COLORADO
Postal Code:	80215
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13653268
CORRESPONDENCE DATA	
Fax Number:	3032314198
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	303-205-2784
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Correspondent Name:	Elizabeth J. Reagan
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Address Line 2:	Mail Stop 810 1F2
Address Line 4:	Lakewood, COLORADO 80215
ATTORNEY DOCKET NUMBER:	PG0100-US04
NAME OF SUBMITTER:	Elizabeth J. Reagan
Total Attachments: 2 source=PG0100US4AssignmentSigned#page1.tif source=PG0100US4AssignmentSigned#page2.tif	

CH \$40.00 13653268

**ASSIGNMENT**

WHEREAS, I/We (herein called "ASSIGNORS"):

**1. Glen Delbert ANTWILER of 2905 Xenon Street, Lakewood, Colorado 80215, USA**

am/are inventor(s) of the invention entitled:

**Cell Expansion System and Methods of Use**

for which the following patent application(s):

Application Type	Application Serial No.	Filing Date
US Regular Application	13/653268	10/16/2012

was/were submitted or filed (collectively, the "LISTED APPLICATION(S)");

AND WHEREAS, **Terumo BCT, Inc.** (herein called "ASSIGNEE"), an entity organized and existing under the laws of the State of **Colorado**, having a principal place of business at:

**10811 West Collins Avenue  
Lakewood, Colorado 80215  
U.S.A.**

is desirous of obtaining my entire right, title and interest in, to and under the said invention and the said LISTED APPLICATION(S);

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I/we, the said ASSIGNOR(S), have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my/our entire right, title and interest in, to and under the said invention, and said application(s) herein, including said LISTED APPLICATION(S) and all continuations and subsequent applications, including divisional applications thereof, and national phase applications as applicable; and all patents of the United States which may be granted thereon and all reissues and extensions; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States; together with the right to file such applications and the right to claim for the same the priority of patent application(s) herein, including said LISTED APPLICATION(S) and applications thereof and therefrom, applications for industrial protection under the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and applications thereof and therefrom; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND I/WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents or other evidence or forms of industrial property protection on

**ASSIGNMENT**

applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

AND I/WE HEREBY covenant and agree that I/we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

AND I/WE HEREBY authorize the above-mentioned ASSIGNEE or its legal representative(s) to insert in this instrument the filing date and serial number of said application(s) or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document;

IN TESTIMONY WHEREOF, I/we hereunto set my/our hands and seals the day and year set opposite my/our signatures.

**Assignor 1**

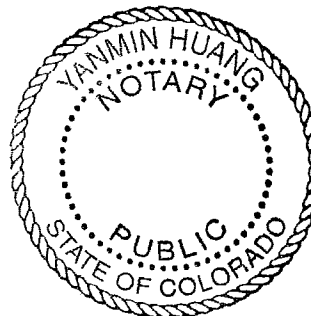
Date: 1/2/2013

Glen Delbert Antwiler  
**Glen Delbert ANTWILER**

STATE OF COLORADO            )  
  ) ss.  
COUNTY OF Jefferson        )

Subscribed and affirmed before me this 2nd day of January 20 13 by **Glen Delbert ANTWILER** who personally appeared the above person, known to me to be the person whose name is subscribed to the foregoing instrument and who acknowledged to me that the execution was of free will for the purposes and consideration therein expressed.

[Signature]  
Notary Public  
My Commission expires: 11/08/2013



My Commission Expires 11/08/2013

Additional assignors on additional sheets: NO