

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE				
CONVEYING PARTY DATA					
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>VANDERBILT UNIVERSITY</td> <td>05/01/2012</td> </tr> </tbody> </table>		Name	Execution Date	VANDERBILT UNIVERSITY	05/01/2012
Name	Execution Date				
VANDERBILT UNIVERSITY	05/01/2012				
RECEIVING PARTY DATA					
Name:	National Institutes of Health (NIH), U.S. Dept. of Health and Human Services (DHHS), U.S. Government				
Street Address:	NIH Division of Extramural Inventions and Technology Resources (DEITR)				
Internal Address:	6705 Rockledge Drive, Suite 310, MSC 7980				
City:	Bethesda				
State/Country:	MARYLAND				
Postal Code:	20892-7980				
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>13151556</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13151556
Property Type	Number				
Application Number:	13151556				
CORRESPONDENCE DATA					
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Total Attachments: 1 source=13151556,LAB,05-02-2012#page1.tif					

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Invention Title: Relaxation Time Discriminated 1H NMR for Bone Mechanical/Fracture Property

Diagnostics

Inventor(s): R. Adam Horch, Jeffry Nyman, Marc Does, Daniel Gochberg

U.S. Filing/Issue Date: 6/2/2011

Patent or Application Serial No.: 13/151556

Grant/Contract Number(s): EB001744, NSF0448915

Foreign Applications filed/intended in (countries): _____

The invention identified above is a Subject Invention under **35 U.S.C. 200, et seq.**, and the Standard Patent Rights clause at **37 CFR 401.14, FAR 52.227-11** or **FAR 52.227-12** (if applicable) which are included among the terms of the above identified grant or contract award from the United State Government. This document is confirmatory of:

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The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 15th day of May, 20 12.

By JANIS ELSNER (Institutional Business Official) Janis Eloner (Signature)

Title Director of Commercial Operations
Center for Technology Transfer
and Commercialization

For VANDERBILT UNIVERSITY
(Grantee/Contractor Organization)

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(Business Address)