

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Core Essence Orthopaedics, Inc.	02/19/2013
RECEIVING PARTY DATA	
Name:	Orthonoble Inc.
Street Address:	13711 Mercado Drive
City:	Del Mar
State/Country:	CALIFORNIA
Postal Code:	92014
PROPERTY NUMBERS Total: 4	
Property Type	Number
Application Number:	12297530
Application Number:	12729769
Application Number:	13231689
Application Number:	13651908
CORRESPONDENCE DATA	
Fax Number:	2159724156
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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ATTORNEY DOCKET NUMBER:	364412.00001
NAME OF SUBMITTER:	Gregory S. Bernabeo

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Total Attachments: 4

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**ASSIGNMENT OF ENTIRE INTEREST IN INVENTION(S)**  
 (“Assignment”)

This Assignment is effective as of February 21, 2013.

The Invention(s), patent application(s), and/or issued patent(s) (individually and collectively, “Inventions”; “Inventions” is further defined on page 2) that is/are the subject of this Assignment are:

<b>Product Portfolio</b>	<b>Status</b>	<b>Origin</b>	<b>App./Patent No.</b>	<b>Type of App.</b>
TAC-TITE I	Patent Pending	United States	12/297,530	US – Utility
TAC-TITE I	Completed	PCT	PCT/US07/023108	PCT
TAC-TITE II	Patent Pending	United States	12/729,769	US – Utility
TAC-TITE III	Patent Pending	United States	13/231,689	US - Utility
TAC-TITE I	Issued	Canada	2,667,898	CA (national stage of PCT app)
TAC-TITE III	Expired	United States	61/382,170	Provisional application
TAC-TITE I	Patent Pending	Europe	EP20070839900	EP (national phase of PCT app)
TAC-TITE I	Patent Pending	South Africa	2009/3035	ZA (national phase of PCT app)
TAC-TITE I	Patent Pending	Japan	JP2007535324	JP (national phase of PCT app)
TAC-TITE I	Patent Pending	Australia	2007314288	AU (national phase of PCT app)
TAC-TITE I	Patent Pending	India	2998/CHENP/2009	IN (national phase of PCT app)
TAC-TITE III	Expired	United States	61/414,686	Provisional application

Product Portfolio	Status	Origin	App./Patent No.	Type of App.
TAC-TITE III	Expired	United States	61/431,570	Provisional application
TAC-TITE II	Completed	PCT	PCT/US11/29559	PCT
TAC-TITE III	Expired	United States	61/443,023	Provisional application
TAC-TITE III	Pending	PCT	PCT/US11/51430	PCT
TAC-TITE I	Pending	United States	13/651,908	US – Utility
TAC-TITE II	Pending	Europe	EP 117124.5	EU (national phase of PCT app)
TAC-TITE II	Pending	Australia	2011232537	AU (national phase of PCT app)
TAC-TITE II	Pending	Canada	2,798,439	CA (national phase of PCT app)
TAC-TITE	Pending	China	201180025125.4	CN (national phase of PCT app)
TAC-TITE II	Pending	India	2442/MUMNP/2012	IN (national phase of PCT app)
TAC-TITE II	Pending	South Africa	2012/7955	ZA (national phase of PCT app)

\*Type = national, provisional, non-provisional, national stage, regional, international, etc.

The undersigned assignor or assignors (individually and collectively, “Assignor”) assigns to the below-named Assignee or Assignees (individually and collectively, “Assignee”) on the terms stated below the entire right, title, and interest in the above-named Inventions as held by the Assignor, including the exclusive right to prosecute any pending Patent Applications in the following geographic areas:

- United States of America (“U.S.”) – all right, title, and interest in the Inventions
- All countries other than the U.S. – all right, title, and interest in the Inventions
- Other (specify):

Each Assignor (collectively, "Assignor") is:

NAME	ADDRESS	Percentage Interest*	Company Headquarters Address
Core Essence Orthopaedics, Inc.	575A Virginia Drive, Fort Washington, PA 19034	100.0	575A Virginia Drive, Fort Washington, PA 19034

\* This column must total one hundred percent (100%).

Each Assignee (collectively, "Assignee"), and the allocation of percentage interest assigned hereunder, is:

NAME	ADDRESS	Percentage Interest*	Company Headquarters Address
Orthonoble Inc.	13711 Mercado Drive Del Mar, CA 92014	100.0	13711 Mercado Drive Del Mar, CA 92014

\* This column must total one hundred percent (100%).

WHEREAS, Assignor holds the right, title, and interest in pending patent applications and/or issued patents as identified above (including patents and utility models for areas outside the United States), or described in other documentation identified above, and including any and all trade secret, copyright, and moral rights, subsisting in all the works covered by such patent applications, issued patents, or other documentation identified above (collectively, "Inventions"), and

WHEREAS, each Assignor desires to assign the entire right, title, and interest individually held by such Assignor to the Assignee;


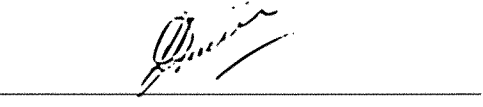
THEREFORE, in exchange for payment or other legal consideration to Assignor, the receipt of which is hereby acknowledged by Assignor;

WE EACH HEREBY assign, sell, and transfer the right, title, and interest held by each undersigned Assignor, respectively, in the Inventions identified above, including without limitation any and all divisions, continuations, and continuations-in-part thereof, and in and to any and all U.S. Letters Patent, and patents issued in or by other countries, that may be granted or have been granted for said Inventions, and including amendments and corrections thereof before and after issuance, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, PCT rights, Convention rights, Treaty rights, and other benefits accruing or to accrue with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto as identified above, unto said Assignee; and

WE EACH HEREBY authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent that may issue for said Patent Applications to said Assignee, as assignee of the entire right, title, and interest thereto; and

WE EACH FURTHER agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations, and continuations-in-part of the above-identified applications for patent and/or for obtaining any issuance(s), reissue(s) and/or reexamination(s) of any Letters Patent that may be granted for the Inventions, as the Assignee or designee(s) thereof may from time to time require and prepare at the sole expense of the Assignee(s) or designee(s) thereof.

WE EACH HAVE SIGNED this document in the space below to indicate our agreement as documented herein.

NAME / CAPACITY	SIGNATURE	Date
Core Essence Orthopaedics, Inc. <i>Peter L. Shapiro, Director</i> By: <del>Richard Washburn, President</del>		February 19, 2013
Orthonoble Inc. By: David Levinsohn, M.D.		February 19, 2013