

TRADEMARK ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
QUANTUM ORTHOPEDICS INC		07/14/2005	CORPORATION: DELAWARE
RECEIVING PARTY DATA			
Name:	COMERICA BANK		
Street Address:	2321 Rosecrans Avenue, Suite 5000		
Internal Address:	Attn: Manager		
City:	El Segundo		
State/Country:	CALIFORNIA		
Postal Code:	90245		
Entity Type:	CORPORATION: MICHIGAN		
PROPERTY NUMBERS Total: 4			
Property Type	Number	Word Mark	
Serial Number:	78619825	CRYSTAL	
Serial Number:	78619820	LUCENT	
Serial Number:	78619812	ZYRE	
Serial Number:	78618775	QUANTUM ORTHOPEDICS	
CORRESPONDENCE DATA			
Fax Number:	(619)234-3815		
	<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>		
Phone:	619-338-6636		
Email:	tadams@sheppardmullin.com		
Correspondent Name:	Sheppard, Mullin, Richter & Hampton, LLP		
Address Line 1:	501 West Broadway, 19th Floor		
Address Line 2:	Attn: Trina F. Adams		
Address Line 4:	San Diego, CALIFORNIA 92101-3598		
NAME OF SUBMITTER:	Trina F. Adams		

CH \$115.00 78619825

Signature:

/Trina F. Adams/

Date:

09/07/2005

Total Attachments: 6

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement is entered into as of July 14, 2005 by and between COMERICA BANK ("Bank") and QUANTUM ORTHOPEDICS INC., a Delaware corporation ("Grantor").

RECITALS

A. Bank has agreed to make certain advances of money and to extend certain financial accommodations to Grantor (the "Loans") in the amounts and manner set forth in that certain Loan and Security Agreement by and between Bank and Grantor dated of even date herewith (as the same may be amended, modified or supplemented from time to time, the "Loan Agreement"; capitalized terms used herein are used as defined in the Loan Agreement). Bank is willing to make the Loans to Grantor, but only upon the condition, among others, that Grantor shall grant to Bank a security interest in certain Copyrights, Trademarks and Patents to secure the obligations of Grantor under the Loan Agreement.

B. Pursuant to the terms of the Loan Agreement, Grantor has granted to Bank a security interest in all of Grantor's right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Loan Agreement and all other agreements now existing or hereafter arising between Grantor and Bank, Grantor hereby represents, warrants, covenants and agrees as follows:

AGREEMENT

To secure its obligations under the Loan Agreement and under any other agreement now existing or hereafter arising between Grantor and Bank, Grantor grants and pledges to Bank a security interest in all of Grantor's right, title and interest in, to and under its Intellectual Property Collateral (including without limitation those Copyrights, Patents and Trademarks listed on Schedules A, B and C hereto), and including without limitation all proceeds thereof (such as, by way of example but not by way of limitation, license royalties and proceeds of infringement suits), the right to sue for past, present and future infringements, all rights corresponding thereto throughout the world and all re-issues, divisions continuations, renewals, extensions and continuations-in-part thereof.

This security interest is granted in conjunction with the security interest granted to Bank under the Loan Agreement. The rights and remedies of Bank with respect to the security interest granted hereby are in addition to those set forth in the Loan Agreement and the other Loan Documents, and those which are now or hereafter available to Bank as a matter of law or equity. Each right, power and remedy of Bank provided for herein or in the Loan Agreement or any of the Loan Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein and the exercise by Bank of any one or more of the rights, powers or remedies provided for in this Intellectual Property Security Agreement, the Loan Agreement or any of the other Loan Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including Bank, of any or all other rights, powers or remedies.

Grantor represents and warrants that Exhibits A, B, and C attached hereto set forth any and all intellectual property rights in connection to which Grantor has registered or filed an application with either the United States Patent and Trademark Office or the United States Copyright Office, as applicable.

This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which together shall constitute the same instrument.

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTOR:

Address of Grantor:

2744 Loker Ave.
Carlsbad, CA 92008

Attn: Chief Executive Officer

QUANTUM ORTHOPEDICS INC.

By: 

Title: CFO, VP of OPERATIONS

BANK:

Address of Bank:

2321 Rosecrans Ave., Suite 5000
El Segundo, CA 90245

Attn: Manager

COMERICA BANK

By: 

Title: SVP

EXHIBIT A

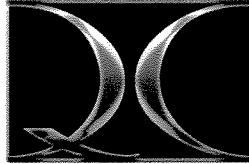
Copyrights

	<u>Description</u>	<u>Registration Number</u>	<u>Registration Date</u>
	None		

EXHIBIT B

Patents

<u>Description</u>	Patent Application <u>No./Issued Patent No.</u>	<u>Date</u>
None SEE ATTACHED		



QUANTUM
ORTHOPEDICS

**Quantum Orthopedics, Inc.
Patent Filings as of
July 14, 2005**

- Vertebral Facet Joint Prosthesis and Method of Fixation
 - Domestic – 60/542,350; 60/542,351; 60/542,769; and 10/865,073
 - Foreign

- Osteoconductive Integrated Spinal Cage and Method of Making Same
 - Domestic – 60/523,288 and 10/991,956
 - Foreign – PCT/US2004/03875 and WO 2005/048897

- Flanged Interbody Fusion Device and Method for Using the Same
 - Domestic – 60/662,747

- System and Method for Protecting Neurovascular Structures
 - Domestic – 60/543,212 and 11/055,162
 - Foreign – PCT/US2005/004511

EXHIBIT C

Trademarks

<u>Description</u>	<u>Serial/ Registration Number</u>	<u>Filing/ Registration Date</u>
CRYSTAL	78619825	04/29/2005
LUCENT	78619820	04/29/2005
ZYRE	78619812	04/29/2005
QUANTUM ORTHOPEDICS	78618775	04/28/2005