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(Rev. 6-93)

RECORDATION FORM COVER SHEET

U.S. Department of Commerce
Patent And Trademark Office

OMB No. 0651-0011 (exp. 4/94)

PATENTS ONLY

3.29.01

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

1. Name of conveying party(ies):

Orthovita, Inc.

Additional name(s) attached? Yes No

2. Name and address of receiving party(ies):

Name: Implant Innovations, Inc.

Internal Address:

Street Address: 4555 Riverside Drive

City: Palm Beach Gardens

State: Florida

Zip: 33410

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: March 22, 2000

4. Application number(s) or registration number(s):

If this document is being filed together with a new application, the filing date of the application is:

- A. Patent Application No.
- B. Patent No. 5,658,332, issued August 19, 1997

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Stephen G. Rudisill
 Internal Address: Jenkins & Gilchrist
 Street Address: 1445 Ross Avenue, Suite 3200
 City: Dallas State: TX Zip: 75202-2799

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

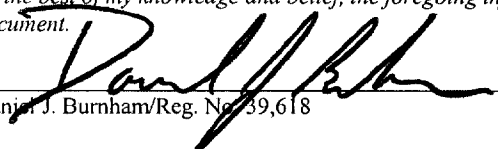
- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: 10-0447 (47168-00202)

DO NOT USE THIS SPACE

9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.


 Daniel J. Burnham/Reg. No. 39,618

March 23, 2001

Date

Atty. Docket No.: 47168-00202

Total number of pages including cover sheet, attachments and document: 4

Mail documents to be recorded with required cover sheet information to:
 U.S. Patent and Trademark Office, Office of Public Records
 Crystal Gateway 4, Room 335
 Washington, D.C. 20231

CHICAGO 162378v1 47168-00202

PATENT
REEL: 011648 FRAME: 0954

WORLDWIDE PATENT ASSIGNMENT

This Patent Assignment is made on this 22nd day of March 2000, by Orthovita, Inc., a corporation formed under Pennsylvania law, and having a place of business at 45 Great Valley Parkway, Malvern, Pennsylvania 19355 (the "Assignor") in favor of Implant Innovations, Inc., having a place of business at 4555 Riverside Drive, Palm Beach Gardens, Florida, a corporation formed under Florida law ("Assignee").

WHEREAS, Assignor owns all right, title and interest in and to, or arising under, certain United States and foreign Letters Patent and applications for Letters Patent set forth on the attached Schedule A; and

WHEREAS, Assignee desires to acquire all right, title, and interest in and to said United States and foreign Letters Patent and applications for Letters Patent;

NOW, THEREFORE, for One Dollar (\$1) and other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, Assignor hereby assigns and transfers to Assignee, the entire right, title, and interest in and to the United States and foreign Letters Patent and applications for Letters Patent set forth on the attached Schedule A and in and to all Letters Patent granted on said applications, and hereby agrees to execute all applications or papers necessary to obtain and maintain said United States and foreign Letters Patent and applications for Letters Patent in all countries.

by Assignor

ORTHOVITA, INC.

By: *Joseph M. Paiva*

Name: Joseph M. Paiva

Title: Vice President and Chief Financial Officer

State of Pennsylvania
County of: Philadelphia

On this 22nd day of March, 2000, personally appeared Jos. M. Paiva before me a Notary Public for the State of Pennsylvania; and acknowledged to me that he executed the same for the uses and purposes therein set forth.

Seal

Signature of Notary Public
Janet Groome
Residing at: _____

My Commission Expires: _____

Notarial Seal
Janet Groome, Notary Public
Philadelphia, Philadelphia County
My Commission Expires March 25, 2000
Member, Pennsylvania Association of Notaries

EXECUTION COPY

PATENT

REEL: 011648 FRAME: 0955

SCHEDULE A

II. Title: **Bioactive Granules for Bone Tissue Formation**

<u>Country</u>	<u>Patent or Application No.</u>
United States	5,658,332*
European Patent Office	869749
Austria	EP 869749
Belgium	EP 869749
Denmark	EP 869749
France	EP 869749
Great Britain	EP 869749
Germany	EP 869749
Greece	EP 869749
Ireland	EP 869749
Italy	EP 869749
Luxembourg	EP 869749
Monaco	EP 869749
Netherlands	EP 869749
Portugal	EP 869749
Spain	EP 869749
Sweden	EP 869749
Switzerland	EP 869749
India	699/CAL/95
Japan	503243/96

*The U.S. patent is the only issued patent in the family; the others are pending applications.

EXECUTION COPY

PATENT

RECORDED: 03/29/2001

REEL: 011648 FRAME: 0956