

## PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Gary A. Shangold</td><td>03/23/2000</td></tr><tr><td>Militza K. Ausmanas</td><td>03/29/2000</td></tr></tbody></table>	Name	Execution Date	Gary A. Shangold	03/23/2000	Militza K. Ausmanas	03/29/2000	
Name	Execution Date						
Gary A. Shangold	03/23/2000						
Militza K. Ausmanas	03/29/2000						
RECEIVING PARTY DATA							
Name:	Ortho-McNeil Pharmaceutical Inc.						
Street Address:	U.S. Route 202						
City:	Raritan						
State/Country:	NEW JERSEY						
Postal Code:	08869						
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>11439171</td></tr></tbody></table>	Property Type	Number	Application Number:	11439171			
Property Type	Number						
Application Number:	11439171						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	Katrina Y. Pei Quach						
Total Attachments: 2 source=27100990004_ASSIGNMENT_shangold_ortho#page1.tif source=27100990004_ASSIGNMENT_shangold_ortho#page2.tif							

OP \$40.00 11439171

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PATENT  
REEL: 019112 FRAME: 0170

## **WORLD WIDE ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Gary A. Shangold and Militza K. Ausmanas of 14 Laurel Mountain Way, Califon, New Jersey 07830-3027, U.S.A.; 1775 West Broadland Lane, Lake Forest, Illinois 60045, U.S.A.; respectively, have sold, assigned, transferred and set over to, and by these presents hereby sell, assign, transfer and set over to Ortho-McNeil Pharmaceutical Inc., a Delaware Corporation, carrying on business at U.S. Route 202, Raritan, New Jersey 08869, U.S.A., (hereinafter ASSIGNEE) all right, title and interest, inclusive of any priority rights derived therefrom, for Canada and any other country or countries, in and to the invention relating to

### **LOW DOSE ESTROGEN INTERRUPTED HORMONE REPLACEMENT THERAPY**

as set forth in United States Patent Application Serial No. 09/538,485 filed March 30, 2000, including any and all divisions, continuations thereof and in and to any and all Letters Patent of any country which may issue on any national application, for said invention, including any and all reissues, reexaminations or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made.

The undersigned warrant and covenant that they have the full and unencumbered right to sell and assign the interests herein sold and assigned and that they have not executed and will not execute any document or instrument in conflict herewith.


The undersigned further covenant and agree that at any time upon request of said ASSIGNEE, its successors, legal representatives or assigns all information known to them

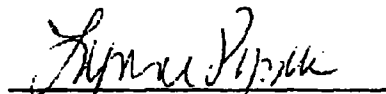
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relating to said invention or patent application, they will execute and deliver any papers and do all other acts as are deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues, reexaminations or extensions and assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of any country for said invention.

This agreement may be executed in any number of counterparts and by the different parties hereto on separate counterparts, each of which counterparts, when so executed and delivered, shall be deemed to be an original, and all of which counterparts, taken together, shall constitute but one and the same agreement.

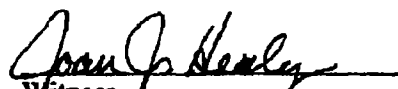
SIGNED at Raritan, New Jersey, U.S.A. this 23<sup>rd</sup> day of March, 2000.

  
Gary A. Shangold

  
Witness

SIGNED at Skokie, Illinois, U.S.A. this 29<sup>th</sup> day of March, 2000.

  
Militza K. Ausmanas

  
Witness

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