



**PATENT**

Attorney Docket No. 219664  
DHHS Ref. No. E-069-00/3

Leydig, Voit & Mayer, Ltd.  
Two Prudential Plaza  
Suite 4900  
Chicago, Illinois 60601-6780

**ASSIGNMENT**

**WHEREAS, WE**, Pemmaraju Narasimha Rao and Carmie Kirk Acosta of the Southwest Foundation for Biomedical Research, respectively, have invented and own a certain invention entitled:

**METHODS OF MAKING, USING AND PHARMACEUTICAL FORMULATIONS  
COMPRISING 7 $\alpha$ ,11 $\beta$ -DIMETHYL-17 $\beta$ -HYDROXYESTRA-4,14-DIEN-3-ONE AND  
17 ESTERS THEREOF AND 17 ESTERS OF 7 $\alpha$ -METHYL-17 $\beta$ -HYDROXYESTRA-  
4,14-DIEN-3-ONE**

for which invention we have executed an application (non-provisional) for a U.S. patent, which was filed on October 28, 2002, under U.S. Application No. 10/281,794, and

**WHEREAS**, the Government of the United States of America (hereinafter referred to as Assignee), is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

**NOW, THEREFORE**, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

**WE HEREBY AUTHORIZE** the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

**UPON SAID CONSIDERATION**, we convey to the Assignee the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

**WE DO HEREBY COVENANT** and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect

**PATENT****REEL: 013694 FRAME: 0563**

In re Appln. of Biye et al.  
U.S. Patent Appln. No. 10/281,794

Date 4-22-03

*C. Kirk Acosta*  
Carmie Kirk Acosta

STATE OF Texas )  
COUNTY OF Brewer ) SS:

On this 22nd day of April, 2003, before me, a Notary Public in and for said county, appeared Carmie Kirk Acosta, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

*Louise Skow*  
Notary Public

My Commission Expires: 1/4/06

{SEAL}



In re Appln. of Blye et al.  
U.S. Patent Appln. No. 10/281,794

the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date April 22, 2003

Pemmaraju Narasimha Rao  
Pemmaraju Narasimha Rao

STATE OF Texas )  
COUNTY OF Brewer ) SS:

On this 22nd day of April, 2003, before me, a Notary Public in and for said county, appeared Pemmaraju Narasimha Rao, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

Louise Skow  
Notary Public

My Commission Expires: 1/4/06

{SEAL}

