

09-08-1998

FORM PTO-1595
1-31-92

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



SHEET

Docket No. 231/219

100823534

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

8-24-98

PTO
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1. Name of conveying party(ies):
 Elizabeth A. Allegretto
 Marcus F. Boehm
 Alex M. Nadzar
 Additional name(s) of conveying party(ies) attached? Yes
 No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: July 23, 1998, August, 10, 1998, and August 12, 1998, respectively

2. Name and address of receiving party:
 Name: Ligand Pharmaceuticals Incorporated
 Internal Address: _____
 City: _____ State: _____ Zip: _____
 Street Address: 10275 Science Center Drive
 City: San Diego State: CA Zip: 92121
 Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):
 If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No(s). B. Patent No(s):
 Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: Jessica R. Wolff
 Internal Address: LYON & LYON LLP
633 West Fifth Street, Suite 4700
Los Angeles, CA 90071-2066

6. Total number of applications and patents involved: one

7. Total fee (37 CFR 3.41): \$ 40.00
 Enclosed
 Charge this Deposit Account if any additional fee is required

8. Deposit Account Number: 12-2475

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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.

Jessica R. Wolff
 Jessica R. Wolff, Reg. No. 37261

Date: August 24, 1998

Total number of pages including cover sheet: 9

09/22/98 09:00:00 PTO 100823534 09/22/98

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PATENT
REEL: 9421 FRAME: 0556

ASSIGNMENT

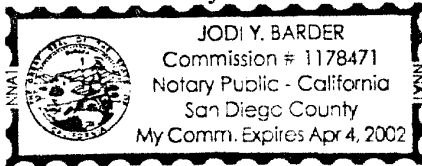
WHEREAS, WE, ELIZABETH A. ALLEGRETTO, a citizen of the UNITED STATES, and MARCUS F. BOEHM, a citizen of the UNITED STATES, ALEX M. NADZAN, a citizen of the UNITED STATES (hereinafter referred to as "ASSIGNORS"), have invented and own a certain invention entitled VITAMIN D₃ MIMICS for which application for Letters Patent of the United States of America is being filed herewith; and

WHEREAS, **LIGAND PHARMACEUTICALS INCORPORATED** a corporation organized and existing under and by virtue of the laws of the State of **Delaware** and having its principal place of business at **10275 Science Center Drive, San Diego, California 92121** (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under any Patent or similar legal protection to be obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, transfer and set over unto the said ASSIGNEE, its successors and assigns, the full and exclusive right, title and interest to said invention and to all Letters Patent or application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said application, and to any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the same may be granted, including all priority rights under the International Convention; and ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue

proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Jodi Y. Barder
Notary Public in and for
said County and State

WITNESS my hand at San Diego, California, this
10th day of August, 1998

Marcus F. Boehm
Marcus F. Boehm

STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

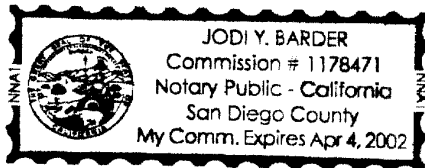
On August 10, 1998 before me, Jodi Y. Barder, personally appeared
Marcus F. Boehm

personally known to me

- OR -

proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Jodi Y. Barder
Notary Public in and for
said County and State

