09-08-1998

FORM PTO-1595  U.S. DEPARTMENT OF COMMERCE

	1-31		SHEET				
Y	Doc	ket No. 231/219 100823.5	534				
\	Tot	the Honorable Commissioner of Patents and Trademarks. Please re	cord the attached original documents or copy thereof.				
. `	1.	Name of conveying party(ies):	2. Name and address of receiving party:				
	•	Elizabeth A. Allegretto	Name: Ligand Pharmaceuticals Incorporated				
		Marcus F. Boehm	Programme Digaria / Marriacourtea is moorporated				
$\mathcal X$		Alex M. Nadzan	Internal Address:				
1		Additional name(s) of conveying party(ies) attached?	Thermal Medicoss.				
Λ		⊠ No	City:State:Zip:				
ľ	3.	Nature of conveyance:	T				
` -			Street Address: 10275 Science Center Drive				
Z	1						
			City: San Diego State: CA Zip: 92121				
			one of the party o				
	And	Execution Date: July 23, 1998, August, 10, 1998, and gust 12, 1998, repsectively	Additional name(s) & address(es) attached?				
	7 tug	(48) 12, 1770, 10, 10, 10, 10, 10, 10, 10, 10, 10, 1					
	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	6. Total number of applications and patents involved: one				
	٥.	document should be mailed:	The state in the state of appropriations and patents involved.				
			7. Total fee (37 CFR 3.41): \$40.00				
		Name: Jessica R. Wolff	Enclosed				
			Z Enclosed				
		Internal Address: LYON & LYON LLP	Charge this Deposit Account if any additional fee is required				
-		633 West Fifth Street, Suite 4700					
		Los Angeles, CA 90071-2066	8. Deposit Account Number: 12-2475				
	DO NOT USE THIS SPACE						
	9.						
		To the best of my knowledge and belief, the foregoing information	on is true and correct and any attached copy is a true copy of the original				
		document.					
	1000000000000000000000000000000000000						
		Date: August 24, 1998					
	Jest	Jesefica R. Wolff, Reg. No. 27,261					
		Total number of pages including cover sheet: 9					
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							Washington, D.C. 20231

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## **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 D<sub>3</sub> 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

said Letters Patent or any legal equivalent thereof to said ASSIGNEE, its successors and assigns, in accordance with this Assignment.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Agreement;

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents in the United States or in any foreign country, which may be necessary or desirable to carry out the purposes thereof.

WITNESS my hand at	Ster Diego	, California, this
231 day of	ly, 19 <u>7</u> 8	
	O Chillette A Allowater	legselb
STATE OF CALIFORNIA ) COUNTY OF LOS ANGELES )	Elizabeth A. Allegretto	
On Jul. 23,1997 before me, Beth A. Allegie the	, Jai y. Raide, perso	nally appeared
🗓 personally known to me		
- OR -		

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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 Commission # 1178471 Notary Public - California San Diego County My Comm. Expires Apr 4, 2002	Notary Public in and for said County and State					
WITNESS my hand at San Dieg	California, this					
10th day of August	, 19 <u><b>9</b></u> 8					
STATE OF CALIFORNIA ) ) ss COUNTY OF LOS ANGELES )	Marcus F. Boehm					
On <u>August 10,194</u> before me, <u>Jodi Y. Barden</u> , personally appeared Marcus F. Bochm						
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 Commission # 1178471 Notary Public - California San Diego County My Comm. Expires Apr 4, 2002	Notary Public in and for said County and State					

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WITNESS my hand at	la Sella	Colifornia dela					
10		, California, this					
day of	light , 19 <u>98</u>						
	Ot	WM Hapen					
STATE OF CALIFORNIA	Alex M. X	adzan					
COUNTY OF LOS ANGELES	)	lues a un					
On <u>8/12/98</u> before m	ie, Notary Pu	blic, personally appeared					
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 office	cial seal.	rand I de la como de l					
	Notary Pul	blic in and for					
said County and State	·						
The second secon	AVENUE PONT OF THE PORT OF THE	AMANDA J. HALVERSON COMM. #1052848 CIARY PUBLIC CALFORNIA SO N DIEGO COUNTY Ssior. Expires 5, 1999					

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