

01-02-2001



101568146

FORM PTO-1619A
Expires 06/30/99
OMB 0651-0027

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PATENT 015110.0067.CIP

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Correspondent Name and Address **Area Code and Telephone Number** (858) 720-2500

Name Brobeck, Phleger & Harrison, LLP

Address (line 1) 12390 El Camino Real

Address (line 2) San Diego, California 92130-2081

Address (line 3)

Address (line 4)

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| Patent Application Number(s) | | | Patent Number(s) | | |
|------------------------------|--|--|------------------|--|--|
| 08/484,487 | | | | | |
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If this document is being filed together with a **new** Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)
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Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

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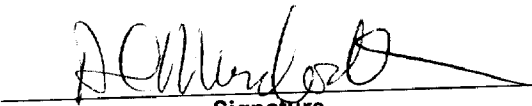
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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Douglas C. Murdock (37,549)  **December 7, 2000**

Name of Person Signing Signature Date

ASSIGNMENT

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112800

For valuable consideration, I, RANJAN MUKHERJEE of San Diego, California and a citizen of ^{USA} ~~India~~ (hereinafter referred to as "Assignor") hereby assign LIGAND PHARMACEUTICALS, INC., a corporation organized and existing under and by the virtue of the laws of the State of Delaware and having a place of business at 10275 Science Center Drive, San Diego, California 92121, USA, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the invention and improvements which are the subject of an application for United States Patent filed June 7, 1995, U.S. Serial No. 08/484,487 entitled HUMAN PEROXISOME PROLIFERATOR ACTIVATED RECEPTOR ~~γ, and related applications and patents~~; this assignment including said application, any and all United States and foreign patents granted for any of said inventions or improvements, including all divisions, continuations, reissues, continuations-in-part and extensions thereof, and the right to claim priority based on the filing date of said application and based on the filing date of any provisional application of which said application claims the benefit under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents and like rights of exclusion and for inventor's certificates for said inventions and improvements; and I agree for myself and my heirs, legal representatives and assigns, without further compensation, upon request to perform such lawful acts, to promptly provide Assignee with all pertinent facts and documents relating to said invention or application as may be known and accessible to me, to testify in any interference or litigation related to said invention or application and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

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The Assignor hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Agreement.

WITNESS my hand at DuPont Pharmaceuticals Co./Ex Station
this 28 day of November, 2000.

Ranjan Mukherjee
RANJAN MUKHERJEE

STATE OF Delaware)
COUNTY OF New Castle)^{ss}

On Nov. 28, 2000 before me, Ranjan Mukherjee, personally appeared
RANJAN MUKHERJEE

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.

Marionne A. Martin
Notary Public in and for said County and State