

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| 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>Shi-Hsiang Shen</td><td>09/18/1997</td></tr><tr><td>Ahamd Sultan</td><td>09/17/1997</td></tr><tr><td>Claes Wahlestedt</td><td>09/26/1997</td></tr><tr><td>Philippe Walker</td><td>09/17/1997</td></tr></tbody></table> | Name | Execution Date | Shi-Hsiang Shen | 09/18/1997 | Ahamd Sultan | 09/17/1997 | Claes Wahlestedt | 09/26/1997 | Philippe Walker | 09/17/1997 | |
| Name | Execution Date | | | | | | | | | | |
| Shi-Hsiang Shen | 09/18/1997 | | | | | | | | | | |
| Ahamd Sultan | 09/17/1997 | | | | | | | | | | |
| Claes Wahlestedt | 09/26/1997 | | | | | | | | | | |
| Philippe Walker | 09/17/1997 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
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| State/Country: | ONTARIO | | | | | | | | | | |
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| 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>11407027</td></tr></tbody></table> | Property Type | Number | Application Number: | 11407027 | | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 11407027 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
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PATENT
REEL: 018807 FRAME: 0001

Total Attachments: 2

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ASSIGNMENT TO ASTRA PHARMA INC.

Title: A NOVEL GALANIN RECEPTOR
Inventors: Shen Shi-Hsiang, Ahmad Sultan, Claes Wahlestedt and Philippe Walker
PCT Appl. No: PCT/SE97/01217
Intn'l Filing Date: 4 July 1997
Execution Date of Application:
Country of PCT Receiving Office: Sweden

As a below-named inventor, I hereby declare that:

My post office address is as stated below under my signature and I am named as inventor of the inventions or discoveries (herein INVENTIONS) as described in the patent application (herein APPLICATION) identified above. In view of valuable consideration, receipt thereof is hereby acknowledged, I do hereby assign and transfer unto ASTRA PHARMA INC., a corporation of Canada having a place of business at Södertälje, its successors and assigns, my entire interest in and the full and exclusive right to the INVENTIONS, the APPLICATION and all related applications (including all divisions, reissues, continuations, and extensions thereof) and all counterparts in other countries, and any and all Letters Patent (and certificates of invention or similar certificates) (herein PATENTS) which may be granted based upon the INVENTIONS or the APPLICATION or related applications or counterparts in other countries; said transfer and assignment being applicable throughout the world. I hereby authorize and request officials of patent offices in any and all countries of the world to issue any and all of the PATENTS, when granted, to ASTRA PHARMA INC., its successors and assigns, as the assignee of my entire right, title, and interest in and to the same. I agree that I will communicate to ASTRA PHARMA INC., or its representatives, any facts known to me respecting the invention; testify in any legal proceedings; sign all lawful papers; execute all divisional, continuation, substitution, renewal, and reissue applications; execute all necessary assignment papers to cause any and all of the PATENTS to be issued to ASTRA PHARMA INC.; make all rightful oaths; and generally do everything possible to aid ASTRA PHARMA INC., its successors and assigns, to obtain and enforce proper protection for the INVENTION in any and all countries throughout the world.

FULL NAME OF FIRST/SOLE INVENTOR: Shen Shi-Hsiang

Signature of Inventor: _____

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Date: _____

FULL NAME OF SECOND/JOINT INVENTOR: Ahamd Sultan

Signature of Inventor: _____

Address: 420 Bourke, No. 1C, Dorval, QC H9S 3X1, Canada

Date: _____

Sep 17/97

FULL NAME OF THIRD/JOINT INVENTOR: Claes Wahlestedt

Signature of Inventor: _____

Address: 6 Chelsea Place, Montreal, QC H3G 2J9, Canada

Date: _____

September 26, 1997

FULL NAME OF FOURTH/JOINT INVENTOR: Philippe Walker

Signature of Inventor: _____

Ph. Walker

Address: 4551 Avenue de l'Esplanade, Montreal, QC H2T 2Y6, Canada

Date: _____

Sep. 17, 1997

FULL NAME OF FIFTH/JOINT INVENTOR:

Signature of Inventor: _____

Address: _____

Date: _____

FULL NAME OF SIXTH/JOINT INVENTOR:

Signature of Inventor: _____

Address: _____

Date: _____