FORM PTO-1595 U.S. DEPARTMENT OF COMMERCE 06-03-1999 (Rev. 6/93) Patent and Trademark Office **IEET** Attorney's Docket No. <u>032396-046</u> 101053554 To the Honol .ched original documents or copy thereof. 1. Name of conveying party(ies): Name and address of receiving party(ies): Jim A. Wright, Aiping H. Young and Yoon S. Lee Name: GeneSense Technologies, Inc. Address: Sunnybrook HSC, Room S-115 Additional name(s) of conveying party(ies) attached? [] Yes [x] No 2075 Bayview Avenue 3. Nature of conveyance: Toronto, Ontario [X] Assignment] Merger Security Agreement] Change of Name Canada M4N 3M5 Additional name(s) & address(es) attached? [] Yes [X] No Execution Date: May 12, 1999 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) 09/295,593 Additional numbers attached? [] Yes [X] No 5. Name and address of party to whom correspondence concerning 6. Total number of applications and patents involved: 1 document should be mailed: Gerald F. Swiss, Esq. Name: 7. Total fee (37 CFR 3.41): \$40.00 Address: Burns, Doane, Swecker & Mathis, L.L.P. [X] Enclosed P.O. Box 1404 [X] Authorized to be charged to deposit account, if necessary Alexandria, Virginia 22313-1404 8. Deposit account number: 02-4800 DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information intrue and correct and any attached copy is a true copy of the original document. Leslie A. Mooi, Reg. No. 37,047 Name of Person Signing May 25, 1999

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Total number of pages including cover sheet, attachments, and document: 3

ASSIGNMENT

(JOINT)

THIS ASSIGNMENT, by JIM A. WRIGHT, AIPING H. YOUNG, and YOON S. LEE, residing at APT. 902 - 5418 YONGE STREET, TORONTO, ONTARIO, CANADA M4N 6X4; APT. 508, 88 GRANDVIEW WAY, TORONTO, ONTARIO, CANADA M2N 6V4 and APT. 1412 - 10 GRENOBLE DRIVE, DON MILLS, ONTARIO, CANADA M3C 1C7 (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in INSULIN-LIKE GROWTH FACTOR II ANTISENSE OLIGONUCLEOTIDE SEQUENCES AND METHODS OF USING SAME TO MODULATE CELL GROWTH, □ which is a provisional application to be filed herewith; □ which is a non-provisional application having an oath or declaration executed on even date herewith prior to filing of application; ☑ bearing Application No. 09/295,593, and filed on APRIL 22, 1999; and

WHEREAS, GENESENSE TECHNOLOGIES, INC., a corporation duly organized under and pursuant to the laws of CANADA and having its principal place of business at SUNNYBROOK HSC, ROOM S-115, 2075 BAYVIEW AVENUE, TORONTO, ONTARIO, CANADA M4N 3M5 (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said application, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

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PATENT REEL: 009988 FRAME: 0507 AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date 12/05/99 Signature of Assignor Jim A

Date 12/05/99 Signature of Assignor

Date (3/05/99 Signature of Assignor ____

RECORDED: 05/26/1999

Aiping Al Young

Voon S. Lee