

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Mitchell E. REFF	02/11/1998
William S. KLOETZER	02/12/1998
Takehiko NAKAMURA	02/11/1998

RECEIVING PARTY DATA

Name:	IDEC Pharmaceuticals Corporation
Street Address:	11011 Torreyana Road
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92121

Name:	Seikagaku Corporation
Street Address:	Tokyo Yakugyo Bldg., 2-1-5, Nihonbashi-Honcho, Chuo-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	103

PROPERTY NUMBERS Total: 4

Property Type	Number
Application Number:	11840649
Application Number:	11840656
Application Number:	11840665
Application Number:	11840666

CORRESPONDENCE DATA

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OP \$160.00 11840649

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**PATENT
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2159.235000A AND 235000B

NAME OF SUBMITTER:

/Ji Eun Kim/

Total Attachments: 2

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ASSIGNMENT

(JOINT)

THIS ASSIGNMENT, by MITCHELL E. REFF; WILLIAM S. KLOETZER, and TAKEHIKO NAKAMURA, residing at 4166 COMBE WAY, SAN DIEGO, CA 92122; 4317 SEA BRIGHT DRIVE, CARLSBAD, CA 92008 and TOKYO RESEARCH INSTITUTE, 1253, TATENO 3-CHOME, HIGASHIYAMATO-SHI, TOKYO 207, JAPAN (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in GAMMA-1 AND GAMMA-3 ANTI-HUMAN CD23 MONOCLONAL ANTIBODIES AND USE THEREOF AS THERAPEUTICS, [] 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; [X] bearing Application No. 09/019,441, and filed on FEBRUARY 05, 1998; and

WHEREAS, IDEC PHARMACEUTICALS CORPORATION, a corporation duly organized under and pursuant to the laws of DELAWARE and having its principal place of business at 11011 TORREYANA ROAD, SAN DIEGO, CALIFORNIA 92121 and SEIKAGAKU CORPORATION, a corporation duly organized under and pursuant to the laws of JAPAN and having its principal place of business at TOKYO YAKUGYO BLDG., 2-1-5, NIHONBASHI-HONCHO, CHUO-KU, TOKYO 103, JAPAN, jointly (hereinafter referred to as "the Assignees"), 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, in consideration of One Dollar (\$1.00) and other 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 Assignees, their 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 Assignees, for their 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 Assignees, their 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 provisions 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;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignees, their successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignees, or the counsel of their 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 Assignees, their successors, legal representatives, and assigns, but at the cost and expense of the Assignees, their 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 Assignees as the Assignees of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignees, their successors, legal representatives, and assigns.

Date 2/11/98 Name of Assignor 
Mitchell E. REFF

Date 2/12/98 Name of Assignor 
William S. KLOETZER

Date 2/11/98 Name of Assignor 
Takehiko NAKAMURA