

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Mitchell E. REFF</td><td>04/15/1997</td></tr><tr><td>William S. KLOETZER</td><td>04/15/1997</td></tr><tr><td>Takehiko NAKAMURA</td><td>04/16/1997</td></tr></tbody></table>		Name	Execution Date	Mitchell E. REFF	04/15/1997	William S. KLOETZER	04/15/1997	Takehiko NAKAMURA	04/16/1997		
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<table border="1"><tr><td>Name:</td><td>IDEC Pharmaceuticals Corporation</td></tr><tr><td>Street Address:</td><td>11011 Torreyana Road</td></tr><tr><td>City:</td><td>San Diego</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>92121</td></tr></table>		Name:	IDEC Pharmaceuticals Corporation	Street Address:	11011 Torreyana Road	City:	San Diego	State/Country:	CALIFORNIA	Postal Code:	92121
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<table border="1"><tr><td>Name:</td><td>Seikagaku Corporation</td></tr><tr><td>Street Address:</td><td>Tokyo Yakugyo Bldg., 2-1-5, Nihonbashi-Honcho, Chuo-ku</td></tr><tr><td>City:</td><td>Tokyo</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr><tr><td>Postal Code:</td><td>103</td></tr></table>		Name:	Seikagaku Corporation	Street Address:	Tokyo Yakugyo Bldg., 2-1-5, Nihonbashi-Honcho, Chuo-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	103
Name:	Seikagaku Corporation										
Street Address:	Tokyo Yakugyo Bldg., 2-1-5, Nihonbashi-Honcho, Chuo-ku										
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Postal Code:	103										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Patent Number:</td><td>7438906</td></tr></tbody></table>		Property Type	Number	Patent Number:	7438906						
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Patent Number:	7438906										
CORRESPONDENCE DATA											
Fax Number:	(202)371-2540										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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OP \$40.00 7438906

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PATENT
REEL: 022619 FRAME: 0690

ATTORNEY DOCKET NUMBER:	2159.2350007/EJH/C-K
NAME OF SUBMITTER:	/Ji Eun Kim/
Total Attachments: 2 source=2159.2350007 inventor assignment#page1.tif source=2159.2350007 inventor assignment#page2.tif	

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 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. 08/803,085, and filed on FEBRUARY 20, 1997; and

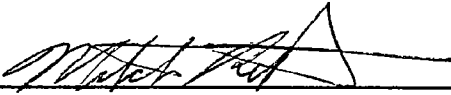
WHEREAS, IDEC PHARMACEUTICALS CORPORATION, a corporation duly organized under and pursuant to the laws of CALIFORNIA and having its principal place of business at 11011 TORREYANA ROAD, SAN DIEGO, CALIFORNIA 92121 and SEIKAGAKU CORPORATION, a corporation duly organized under and pursuant to the laws of 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 4/15/97 Name of Assignor 
Mitchell E. REFF

Date 4/15/97 Name of Assignor 
William S. KLOETZER

Date 4/16/97 Name of Assignor 
Takehiko NAKAMURA