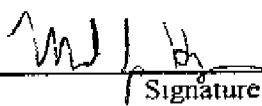


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|---|--|---|--|---|--|
| Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002) | | RECORDATION FORM COVER SHEET PATENTS ONLY | | U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office | |
| To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof | | | | | |
| 1. Name of conveying party(ies): Mark D. Adams Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | 2. Name and address of receiving party(ies): Name: The Institute for Genomic Research ("TIGR") Street Address: 9712 Medical Center Drive City: Rockville, MD 20850 Country: US Additional name(s) and address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| 3. Nature of conveyance <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: Jan. 12, 2000 | | | | | |
| 4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is _____ A. Patent Application No.(s) 08/613,822 B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | | |
| 5. Name and address of party to whom correspondence concerning documents should be mailed. Human Genome Sciences, Inc. Attn. Legal Dept. 9410 Key West Avenue Rockville, MD 20850 Facsimile: 301-309-8439 | | 6. Total number of applications and patents involved: 1 7. Total Fee (37 CFR 3.41) \$ 40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 08-3425 (Attach duplicate copy of this page if paying by deposit account) | | | |
| DO NOT USE THIS SPACE | | | | | |
| 9. Statement and signature. <i>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.</i> <div style="display: flex; justify-content: space-between;"> <div> Mark J. Hyman (Reg. No. 46,789) Name of Person Signing </div> <div style="text-align: center;">  Signature </div> <div> November 1, 2001 Date </div> </div> <div style="text-align: right; margin-top: 10px;"> Total number of pages including cover sheet, attachments, and documents: 3 </div> | | | | | |

Serial No: 08/613,822

Ref No: PF132P3

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, **Mark D. Adams**, hereby sell(s), assign(s) and transfer(s) to **THE INSTITUTE FOR GENOMIC RESEARCH ("TIGR")** having a place of business at **9712 Medical Center Drive, Rockville, MD 20850**, its successors, assigns and legal representatives, his/their entire right, title and interest for the United States and all other countries, in and to the improvements(s) known as:

Human Chemokine Polypeptides

for which application for United States Letters Patent was filed on **February 23, 1996**, and assigned US Serial No. **08/613,822**, in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all other countries on any of said improvements, and in and to all original and reissued patents which have been or shall be issued in the United States and all other countries on said improvements (hereinafter collectively, the "Patent Rights").

For good and valuable consideration, the receipt of which is hereby acknowledged, **TIGR** hereby sells, assigns and transfers to **HUMAN GENOME SCIENCES, INC.** (the "Assignee") having a place of business at **9410 Key West Avenue, Rockville, MD 20850**, its successors, assigns and legal representatives, its entire right, title and interest for the United States and all other countries in and to the Patent Rights.

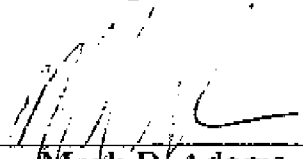
The undersigned further agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and, when requested, without charge to but at the expense of Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on all such improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives all facts known to the undersigned relating to said improvements and the history thereof; and do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patent and all patents on said improvements in Assignee, its successors, assigns and representatives.

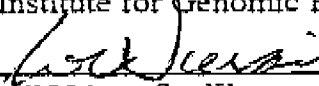
The undersigned hereby represent and warrant to Assignee, its successors, assigns and representatives that no assignment, grant, mortgage, license or other right or agreement affecting the rights and property herein conveyed has been made to others by the undersigned and that full right to convey the same as expressed herein is possessed by the undersigned.

The undersigned hereby grants the power to **James H. Davis** (Reg. No. 40,582), **Kentley K. Hoover** (Reg. No. 40,302), **Michele M. Wales** (Reg. No. 43,975), **Michelle S. Marks** (Reg. No. 41,971), and **Joseph Kenny** (Reg. No. 43,710) of **Human Genome Sciences, Inc.**, 9410 Key West Avenue, Rockville, Maryland, 20850 to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Serial No. 08/613,822
Ref No. PF132P3

IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s)
opposite their signature(s):

Inventor's Signature:  Date: 1/12/2000
Mark D. Adams

The Institute for Genomic Research
By: 
William C. Niernan, Ph.D.
Title: Vice President for Research
Date: 1/12/02

Human Genome Sciences, Inc.,
9410 Key West Avenue, Rockville, Maryland, 20850