

PATENT ASSIGNMENT

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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>Ralph ALDERSON</td><td>05/10/2000</td></tr><tr><td>Robert MELDER</td><td>05/11/2000</td></tr><tr><td>Viktor ROSCHKE</td><td>05/12/2000</td></tr><tr><td>Steven M. RUBEN</td><td>05/09/2000</td></tr><tr><td>Craig A. ROSEN</td><td>05/12/2000</td></tr></tbody></table>	Name	Execution Date	Ralph ALDERSON	05/10/2000	Robert MELDER	05/11/2000	Viktor ROSCHKE	05/12/2000	Steven M. RUBEN	05/09/2000	Craig A. ROSEN	05/12/2000	
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RECEIVING PARTY DATA													
Name:	Human Genome Sciences, Inc.												
Street Address:	14200 Shady Grove Road												
City:	Rockville												
State/Country:	MARYLAND												
Postal Code:	20850												
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>11078507</td></tr></tbody></table>	Property Type	Number	Application Number:	11078507									
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Application Number:	11078507												
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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ATTORNEY DOCKET NUMBER:	1488.0980006/HCC/PAC												
NAME OF SUBMITTER:	Paul A. Calvo												

OP \$40.00 11078507

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PATENT
REEL: 017390 FRAME: 0298

Total Attachments: 2

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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned, Ralph ALDERSON, Robert MELDER, Viktor ROSCHKE, Steven M. RUBEN and Craig A. ROSEN, hereby sell(s), assign(s) and transfer(s) to **Human Genome Sciences, Inc.** ("Assignee") having a place of business at 9410 Key West Avenue, Rockville, MD 20850, its successors, assigns and legal representatives, his/her entire right, title and interest for the United States and all other countries, in and to the improvements(s) known as:

VASCULAR ENDOTHELIAL GROWTH FACTOR-2

for which application for United States Letters Patent was filed on February 7, 2000, and assigned U.S. Application Serial No. 09/499,468, and 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").

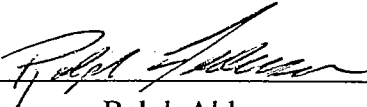
The undersigned further agrees that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and, when requested, without charge to but at the expense of Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose 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.

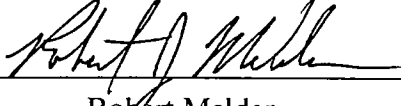
The undersigned hereby represents and warrants to Assignee, its successors, assigns and representatives that no assignment, grant, mortgage, license or other right or agreement affecting the rights and property herein conveyed has been made to others by the undersigned and that full right to convey the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

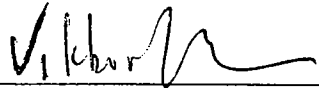
The undersigned hereby grants the power to: James H. Davis (Reg. No. 40,582), Kenley K. Hoover (Reg. No. 40,302), Michele M. Wales (Reg. No. 43,975), Jonathan L. Klein (Reg. No. 41,119), and Joseph J. Kenny (Reg. No. 43,710) of Human Genome Sciences, Inc., 9410 Key West Avenue, Rockville, Maryland, 20850 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.

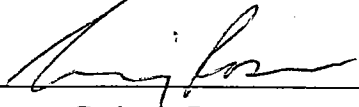
IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature:  Date: 5/12/00
Ralph Alderson

Inventor's Signature:  Date: 5/11/00
Robert Melder

Inventor's Signature:  Date: 5/12/00
Viktor Roschke

Inventor's Signature:  Date: 5/9/00
Steven M. Ruben

Inventor's Signature:  Date: 5/12/00
Craig A. Rosen