| (10 | Sub | ostitute Form PTO-1595 | 06-03-1998 | Attorney Docket No.: 07334/066001 | | | |
|-------------|-----|--|--|---|--|--|--|
| Z Z | Ass | sistant Commissioner for Patents: F | 100726351 | ment. | | | |
| ARV 5-21-98 | 1. | Name of conveying party(ies): Yinliang F. Hsieh Additional name(s) attached? □ Yes | 2. | Name and address of receiving party(ies): MILLENNIUM PHARMACEUTICALS, INC. 238 Main Street, 5th Floor Cambridge, MA 02142 | | | |
| | 3. | Nature of conveyance: ■ Assignment □ Merger □ Security Agreement □ Change of Name □ Other: Execution Date: May 1, 1998 | | Additional names/addresses attached? ☐ Yes ■ No | | | |
| | 4. | 4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No.(s): B. Patent No.(s): 09/010,942 | | | | | |
| | | Additional numbers attached? ☐ Yes ■ No | | | | | |
| | 5. | Name/address of party to whom corrections concerning document should be mailed | ed: | Total number of applications/patents involved: 1 | | | |
| | | Anita L. Meiklejohn, Ph.D. Fish & Richardson P.C. 225 Franklin Street | 7. | Total fee (37 CFR 3.41): \$40 ■ Enclosed □ Authorized to charge deposit account | | | |
| | | Boston, MA 02110-2804 | 8. | Deposit account number: 06-1050 If the fee above is being charged to deposit account, a duplicate copy of this cover sheet is attached. Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050. | | | |
| | | DO NOT USE THIS SPACE | | | | | |
| | 9. | and the attached is the original docu | | lief, the foregoing information is true and correct | | | |
| | | Anita L. Meiklejohn, Ph.D. Name of Person Signing Total number of pa | Signature ges including cover sheet, | Date attachments, and document: 2 | | | |

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Date of Deposit 18, 198

I hereby certify under 37 CFRU.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to the Assistant-Commissioner for Patents, Washington, D.C. 20231.

REEL: 9200 FRAME: 0454

ASSIGNMENT

For valuable consideration, I, Yinliang F. Hsieh, of Lexington, MA 02173 hereby assign to MILLENNIUM PHARMACEUTICALS, INC., a Delaware corporation having a place of business at 238 Main Street, 5th Floor, Cambridge, MA 02142, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by me, entitled IMPROVED MICROFLUID CHIP MASS SPECTROMETER INTERFACE, filed January 22, 1998, and assigned U.S. Serial Number 09/010,942, and I authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and I agree for me and my respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

| IN WITNESS WHEREOF, I he | ereto set my hand and seal at <u>Cambridge, Massachuse</u> | HS , |
|-----------------------------|---|-----------|
| this 1 St day of Mo | 18t , 1998 | |
| | Hele | L.S. |
| YINL | ANG F. HSIE | |
| STATE OF Massachuse | <u>tts</u> : | |
| COUNTY OF Middlesex | iss. | |
| Before me this | is, 19 \frac{96}{8}, personally appeared known to me to be the person whose name is subscribed to the | |
| foregoing Assignment, and | acknowledged that he/she executed the same as his/her free act and deed | I for the |
| purposes therein contained. | Christine Schultz Notary Public | |
| [Notary's Seal Here] | My Commission Expires: Jan. 4, 2002 | |

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RECORDED: 05/21/1998

PATENT REEL: 9200 FRAME: 0455