Express Mail Label No. ET170 Date of Deposit: February 15, 200

Attorney Docket No. 15966-585 CIP2 (Cura-85 CIP2)

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

OMB No. 0651-0011 (exp. 4/94) FINANCE SECTION Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) Sudhirdas K. Prayaga (January 11, 2002) Name: CuraGen Corporation Raymond J. Taupier, Jr. (January 9, 2002) Raj Bandaru (January 16, 2002) 2.15.02 Internal Address: 555 Long Wharf Drive, 11th Floor, New Haven, CT 06511 Additional name(s) of conveying party(ies) attached? \Begin{array}{c} Yes \Bigsim No Street Address: 555 Long Wharf Drive, 11th Floor, New Haven, CT 06511 3. Nature of conveyance: Merger ☐ Change of Name Security Agreement Other__ Additional name(s) & address(es) attached? Yes No 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is A. Patent Application No(s): B. Patent No(s): 09/973,424 Total number of applications and patents involved: $[\ 1\]$ 5. Name and address of party to whom correspondence Concerning document should be mailed: \$40.00 7. Total fee (37 CFR 3.41) Ivor R. Ehrifi Name: MINTZ, LEVIN, COHN, FERRIS \boxtimes Enclosed Address: The Commissioner is authorized to charge Deposit Account GLOVSKY and POPEO, P.C. No: 50-0311, Reference No. 15966-585 CIP2 (Cura-85CIP2) One Financial Center Boston, MA 02111 DO NOT USE THIS SPACE 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. Statement and signature

Mail documents to be recorded with required cover sheet information to:

BOX ASSIGNMENT Commissioner of Patents and Trademarks Washington, D.C. 20231

03/13/2002 TDIAZ1 00000124 09973424

Naomi S. Biswas, Reg. No. 38,384

Name of Person Signing

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Total number of pages including cover sheet, attachments, and document: [11]

TRA 1631510v1

PATENT REEL: 012658 FRAME: 0631

February 15, 2002

Date

Express Mail Label No.: ET176335143US

Date of Deposit: February 15, 2002

Attorney Docket No. 15966-585 CIP2

(Cura-85 CIP2)

ASSIGNMENT

We, Sudhirdas K. Prayaga, Raymond J. Taupier, Jr., and Raj Bandaru, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, hereby assign, sell and transfer to CURAGEN CORPORATION, a Delaware corporation, with offices at 555 Long Wharf Drive, 11th Floor, New Haven, CT 06511 and its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE: (1) our entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

NOVEL POLYPEPTIDES HOMOLOGOUS TO THYMOSIN, EPHRIN A RECEPTORS, AND FIBROMODULIN, AND POLYNUCLEOTIDES ENCODING SAME

filed with the U.S. Patent and Trademark Office on **October 9, 2001** and assigned Serial No. **09/973,424**, including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in my/our names as the ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, sale and transfer not been made.

We agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

We further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

PATENT REEL: 012658 FRAME: 0632 We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: OI II (02	Signature of: Sudhirdas K. Prayaga
State of Missouri	_
Country of St. Louis	
Subscribed and sworn to before me this //	day of January, 2002
JOYCE H. KREBS	Notary Public
NOTARY PUBLIC - STATE OF MISSOURI MY COMMISSION EXPIRES 8/10/2002 ST. LOUIS COUNTY	My commission expires 8-10-02
Date:	Signature of: Raymond J. Taupier, Jr.
State of	
Country of	
Subscribed and sworn to before me this	day of
	Notary Public
	My commission expires
	IVI y Commission empires

Date:	Signature of: Raj Bandaru
State of	
Country of	<u> </u>
Subscribed and sworn to before me this	day of
	Notary Public
	My commission expires

TRA 1595767v1

Express Mail Label No.: ET176335143US

Date of Deposit: February 15, 2002

Attorney Docket No. 15966-585 CIP2 (Cura-85 CIP2)

ASSIGNMENT

We, Sudhirdas K. Prayaga, Raymond J. Taupier, Jr., and Raj Bandaru, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, hereby assign, sell and transfer to CURAGEN CORPORATION, a Delaware corporation, with offices at 555 Long Wharf Drive, 11th Floor, New Haven, CT 06511 and its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE: (1) our entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

NOVEL POLYPEPTIDES HOMOLOGOUS TO THYMOSIN, EPHRIN A RECEPTORS, AND FIBROMODULIN, AND POLYNUCLEOTIDES ENCODING SAME

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We agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

We further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

PATENT REEL: 012658 FRAME: 0635 We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date:	Signature of: Sudhirdas K. Prayaga
	Signature of. Sudmituas K. I rayaga
State of	_
Country of	-
Subscribed and sworn to before me this	day of
	Notary Public
	My commission expires
Date: $1/9/02$ State of The death	Signature of: Raymond J. Tappier, Jr.
Country of Little	
Subscribed and sworn to before me this	day of Alland
	Notary Public My commission expires

Date:	
2 me.	Signature of: Raj Bandaru
State of	
Country of	
Subscribed and sworn to before me this	day of
	Notary Public
	My commission expires

TRA 1595767v1

Express Mail Label No.: ET176335143US

Date of Deposit: February 15, 2002

Attorney Docket No. 15966-585 CIP2 (Cura-85 CIP2)

ASSIGNMENT

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NOVEL POLYPEPTIDES HOMOLOGOUS TO THYMOSIN, EPHRIN A RECEPTORS, AND FIBROMODULIN, AND POLYNUCLEOTIDES ENCODING SAME

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PATENT REEL: 012658 FRAME: 0638 We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date:		
	Signature of: Sudhirdas K. Prayaga	
State of		
Country of		
Subscribed and sworn to before me this	day of	
	Notary Public	
	My commission expires	
Date:	Signature of: Raymond J. Taupier, Jr.	
State of		
Country of		
Subscribed and sworn to before me this	day of	
	Notary Public	
	My commission expires	

Date:	Signature of: Raj Bandaru
State of <u>Manachusetts</u> Country of <u>USA</u>	- -
Subscribed and sworn to before me this _/6*	V
	Notary Public

My commission expires <u>la 12-16</u>.

TRA 1595767v1

RECORDED: 02/15/2002