

*Corrective*

08-24-1998



PATENT APPLICATION

IN TF

100802403

) TRADEMARK OFFICE

*Mar 8-13-98*

In Re the Application of:

Chandrashekar, Ramaswamy  
Tsuji, Naotoshi

Serial No.: 08/929,501

Filed: September 15, 1997

Atty. File No.: HW-6

For: "PARASITIC HELMINTH  
ASPARAGINASE PROTEINS,  
NUCLEIC ACID MOLECULES, AND  
USES THEREOF"

) Group Art Unit: 1652

) Examiner: Nashed, N.

) CORRECTED

) RECORDATION OF ASSIGNMENT

<p>CERTIFICATE OF MAILING</p> <p>I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO BOX ASSIGNMENT, ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231, ON THIS <u>13</u> DAY OF AUGUST 1998.</p> <p>HESKA CORPORATION</p> <p>SIGNATURE: <i>Susan A. Gordon</i></p> <p>Susan A. Gordon</p>
--

U. S. Patent and Trademark Office  
Assignment Division, Box Assignments  
North Tower Building, Suite 10C35  
Washington, DC 20231

Dear Sir:

Please record the attached original documents or copy thereof:

1. Name of conveying party:

Naotoshi Tsuji

2. Name and address of receiving party:

Colorado State University Research Foundation (CSURF)  
601 S. Howes  
Fort Collins, CO 80521

3. Nature of Conveyance:

Assignment, dated November 20, 1997

08/21/1998 DNGUYEN 00000244 08929501

01 FC:581

40.00 OP

4. Application number:

This document is being filed in connection with U.S. Patent Application Serial No. 08/929,501, filed September 15, 1997.

5. Name and address of party to whom correspondence concerning documents should be mailed:

Carol Talkington Verser, Ph.D.  
Vice President, Intellectual Property  
Heska Corporation  
1825 Sharp Point Drive  
Fort Collins, Colorado 80525

6. Total number of applications and patents involved: one.

7. Total number of pages including cover sheet, attachments and document: four.

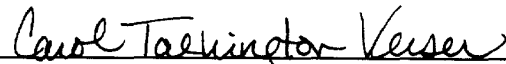
8. Total fee (37 CFR 3.41) of \$40.00 is enclosed.

9. Deposit account number: 081930.

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.

Respectfully submitted,

Date: August 13, 1998

  
Carol Talkington Verser, Ph.D.  
Registration No. 37,459  
Heska Corporation  
1825 Sharp Point Drive  
Fort Collins, Colorado 80525  
Telephone: (970) 493-7272  
Facsimile: (970) 484-9505

IN THE UN

12-18-1997



100593164

PATENT APPLICATION

DEMARK OFFICE DEC 05 1997

RECEIVED

MRD12-5-97

In Re the Application of:

Chandrashekar, et al.

Serial No.: 08/929,501

Filed: September 15, 1997

Atty. File No.: HW-6

For: "PARASITIC HELMINTH  
ASPARAGINASE PROTEINS,  
NUCLEIC ACID MOLECULES, AND  
USES THEREOF"

) Group Art Unit: 1804

) Examiner:

) RECORDATION OF ASSIGNMENT

CERTIFICATE OF MAILING
I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO BOX ASSIGNMENT, ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231, ON THIS <u>1st</u> DAY OF <u>December</u> 1997.
HESKA CORPORATION
SIGNATURE: <u>Susan A. Gordon</u>
Susan A. Gordon

**BOX ASSIGNMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Please record the attached original documents or copy thereof:

1. Name of conveying party(ies):

Naotoshi Tsuji

2. Name and address of receiving party(ies):

Heska Corporation  
1825 Sharp Point Drive  
Fort Collins, Colorado 80525

3. Nature of Conveyance:

Assignment, dated November 20, 1991

4. Application number(s) or patent number(s):

This document is being filed in connection with U.S. Patent Application Serial  
No. 08/929,501, filed September 15, 1997.

PATENT

REEL: 9390 FRAME: 0749

12/17/1997 110411 00000259 08929501 40.00 CP  
01 FC581

5. Name and address of party to whom correspondence concerning documents should be mailed:

Carol Talkington Verser, Ph.D.  
Vice President, Intellectual Property  
Heska Corporation  
1825 Sharp Point Drive  
Fort Collins, Colorado 80525

6. Total number of applications and patents involved: one.
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9. Deposit account number: 081930.

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.

Respectfully submitted,

Date: 1 December 1997

Carol Talkington Verser  
Carol Talkington Verser, Ph.D.  
Registration No. 37,459  
Heska Corporation  
1825 Sharp Point Drive  
Fort Collins, Colorado 80525  
Telephone: (970) 493-7272  
Facsimile: (970) 484-9505

## ASSIGNMENT

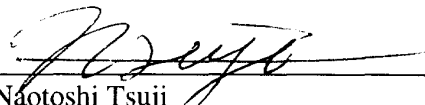
WHEREAS, I, Naotoshi Tsuji of 700 East Drake Road, Apt. O-5, Fort Collins, CO 80525; together with Ramaswamy Chandrashekar of 3006 San Luis Ct., Fort Collins, CO 80525, have invented a certain new and useful invention entitled "PARASITIC HELMINTH ASPARAGINASE PROTEINS, NUCLEIC ACID MOLECULES, AND USES THEREOF," for which an application for Letters Patent of the United States was filed on September 15, 1997, receiving Serial No. 08/929,501, and further identified as Attorney File No. HW-6;

NOW THEREFORE, be it known that I, one of the said inventors, for and in consideration of certain good and valuable consideration, the sufficiency and receipt of which are hereby acknowledged, at the request of the assignee do sell, assign and transfer unto said assignee, Colorado State University Research Foundation (CSURF), a Colorado corporation having a principal business address of 601 So. Howes, Fort Collins, Colorado 80521, its successors, legal representatives and assigns, the aforesaid application for the territory of the United States of America and all continuation, divisional, continuation-in-part and reissue applications, all patent applications in foreign countries, all applications pursuant to the Patent Cooperation Treaty and all applications for extension filed or to be filed for the invention, and all Letters Patent, Invention Registrations, Utility Models, Extensions or Reissues and other patent rights, obtained for the invention in the United States or any other country; I also assign to CSURF all right, title and interest in and to the said invention which has not already been transferred to the assignee, I warrant that I have made no assignment of the invention, application or patent therefor to a party other than CSURF and I am under no obligation to make any assignment of the invention, application, or patent therefor to any other party; and I further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent and in confirming assignee's exclusive equal undivided ownership of the invention, but at the expense of said assignee.

The Commissioner of Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this Assignment, to CSURF, its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

IN WITNESS WHEREOF, the parties hereto have executed this Assignment as of the date indicated hereunder.

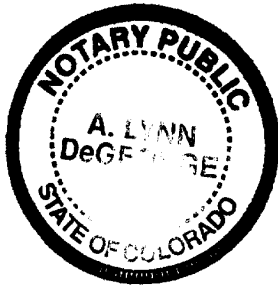
Date: 11/20/97

By:   
Naotoshi Tsuji

STATE OF COLORADO     )  
  ) ss.  
COUNTY OF LARIMER     )

Before me, a Notary Public in and for said County and State, personally appeared Naotoshi Tsuji, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 20th day of November 1997.



A. Lynn DeGeorge  
Notary Public

My Commission Expires: October 19, 2001



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

FEBRUARY 03, 1998

PTAS

CAROL TALKINGTON VERSER  
HESKA CORPORATION  
1825 SHARP POINT DRIVE  
FORT COLLINS, CO 80525



\*100593164A\*

'98FEB12 RCL'D

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/05/1997

REEL/FRAME: 8843/0955  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

TSUJI, NAOTOSHI

DOC DATE: 11/20/1991

ASSIGNEE:

HESKA CORPORATION  
1825 SHARP POINT DRIVE  
FORT COLLINS, COLORADO 80525

SERIAL NUMBER: 08929501

PATENT NUMBER:

FILING DATE: 09/15/1997

ISSUE DATE:

SHIRLIE SIMON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

PATENT  
REEL: 9390 FRAME: 0753

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

Chandrashekar, Ramaswamy  
Tsuji, Naotoshi

Serial No.: 08/929,501

Filed: September 15, 1997

Atty. File No.: HW-6

For: "PARASITIC HELMINTH  
ASPARAGINASE PROTEINS,  
NUCLEIC ACID MOLECULES, AND  
USES THEREOF"

) Group Art Unit: 1652

)

) Examiner: Nashed, N.

)

REQUEST FOR CORRECTION  
OF ASSIGNMENT COVER  
SHEET ERRORS

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<p style="text-align: center;">CERTIFICATE OF MAILING</p> <p>I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO BOX ASSIGNMENT, ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231, ON THIS <u>13</u> DAY OF AUGUST 1998.</p> <p style="text-align: center;">HESKA CORPORATION</p> <p>SIGNATURE: <u>Susan A. Gordon</u></p> <p style="text-align: center;">Susan A. Gordon</p>
--

U. S. Patent and Trademark Office  
Assignment Division, Box Assignments  
North Tower Building, Suite 10C35  
Washington, DC 20231

Dear Sir:

Please correct two errors in Recordation of Assignment that occurred as a result of two errors in the cover sheet accompanying an assignment document in the above-referenced case.

The errors in the cover sheet as originally filed are apparent when the cover sheet is compared with the assignment document to which it pertains. The assignee specified on the originally filed cover sheet is erroneously denoted as Heska Corporation, while the assignee specified in the recorded assignment to which it pertains is Colorado State University Research Foundation (CSURF). Furthermore, the execution date specified on the cover sheet is November 20, 1991, while the execution date on the recorded assignment to which it pertains is November 20, 1997.

Enclosed are the following documents in support of this request for correction:

- 1) A corrected cover sheet and the original assignment document as filed with the PTO on December 1, 1997.

2) A copy of the PTO Notice of Recordation of Assignment Document, along with (a) a copy of the originally recorded assignment cover sheet; and (b) a copy of the original executed Assignment, all filed with the PTO on December 1, 1997; and

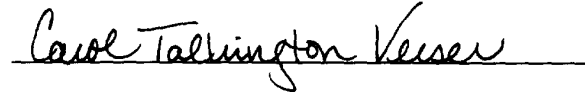
3) Check Number 033474 in the amount of \$40.00 to cover the recording fee as specified by 37 CFR §1.21(h).

Total number of pages including this request for correction, corrected cover sheet and copy of the assignment as originally filed: 11.

Please credit any overpayment or debit any underpayment to Deposit Account No. 081930.

Respectfully submitted,

Date: August 13, 1998



Carol Talkington Verser, Ph.D.

Registration No. 37,459

Heska Corporation

1825 Sharp Point Drive

Fort Collins, Colorado 80525

Telephone: (970) 493-7272

Facsimile: (970) 484-9505

## ASSIGNMENT

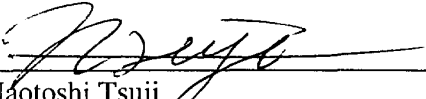
WHEREAS, I, Naotoshi Tsuji of 700 East Drake Road, Apt. O-5, Fort Collins, CO 80525; together with Ramaswamy Chandrashekar of 3006 San Luis Ct., Fort Collins, CO 80525, have invented a certain new and useful invention entitled "PARASITIC HELMINTH ASPARAGINASE PROTEINS, NUCLEIC ACID MOLECULES, AND USES THEREOF," for which an application for Letters Patent of the United States was filed on September 15, 1997, receiving Serial No. 08/929,501, and further identified as Attorney File No. HW-6;

NOW THEREFORE, be it known that I, one of the said inventors, for and in consideration of certain good and valuable consideration, the sufficiency and receipt of which are hereby acknowledged, at the request of the assignee do sell, assign and transfer unto said assignee, Colorado State University Research Foundation (CSURF), a Colorado corporation having a principal business address of 601 So. Howes, Fort Collins, Colorado 80521, its successors, legal representatives and assigns, the aforesaid application for the territory of the United States of America and all continuation, divisional, continuation-in-part and reissue applications, all patent applications in foreign countries, all applications pursuant to the Patent Cooperation Treaty and all applications for extension filed or to be filed for the invention, and all Letters Patent, Invention Registrations, Utility Models, Extensions or Reissues and other patent rights, obtained for the invention in the United States or any other country; I also assign to CSURF all right, title and interest in and to the said invention which has not already been transferred to the assignee, I warrant that I have made no assignment of the invention, application or patent therefor to a party other than CSURF and I am under no obligation to make any assignment of the invention, application, or patent therefor to any other party; and I further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent and in confirming assignee's exclusive equal undivided ownership of the invention, but at the expense of said assignee.

The Commissioner of Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this Assignment, to CSURF, its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

IN WITNESS WHEREOF, the parties hereto have executed this Assignment as of the date indicated hereunder.

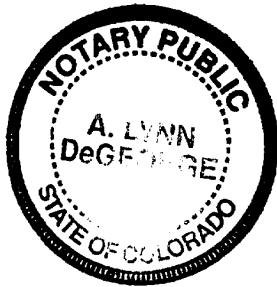
Date: 11/20/97

By:   
Naotoshi Tsuji

STATE OF COLORADO     )  
                                      ) ss.  
COUNTY OF LARIMER     )

Before me, a Notary Public in and for said County and State, personally appeared Naotoshi Tsuji, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 20th day of November 1997.



A. Lynn DeGeorge  
Notary Public

My Commission Expires: October 19, 2001