MSU 4.1-439 10-20-2000 7-25-80REC FORM **PTO-1595** U.S. DEPARTMENT OF COMMERCE HEET (Rev. 6-93) Patent and Trademark Office OMB No. 0651-0011 (exp. 4/94 Tab settings □ □ □ ▼ 101491898 To the Honorable Commissioner of Pac ched original documents or copy thereof. 2. Name and address of receiving party(ies) 1. Name of conveying party(ies): University of Michigan Henry Y. Wang Name: Internal Address: Office of General Counsel - Room 4010 Additional name(s) of conveying party(ies) attached?

Yes
No 3. Nature of conveyance: Street Address: 503 Thompson Street **X** Assignment □ Merger ☐ Security Agreement ☐ Change of Name City: Ann Arbor State: MI ZIP: 48109 ☐ Other Execution Date: September 5, 2000 Additional name(s) & address(es) attached? □ Yes M 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: B. Patent No.(s) A. Patent Application No.(s) 09/644,483 Additional numbers attached?

Yes

No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Ian C. McLeod 7. Total fee (37 CFR 3.41).....\$40 Internal Address: X Enclosed Authorized to be charged to deposit account Street Address: 2190 Commons Parkway 8. Deposit account number: ZIP: 48864 State: MI City.Okemos (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE

9. Statement and signature.

5 FC:581

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.

Ian C. McLeod Name of Person Signing

9/22/00

Date

0/19/2000 DBYRNE 00000034 09644483 Mail documents to be recorded with required cover sheet information to:

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

40.00 Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

ASSIGNMENT

WHEREAS, I, HENRY Y. WANG, residing at 1215 Bardstown Trail, Ann Arbor, Michigan 48105, have invented jointly with KUO-CHUAN KAREN CHOU certain new and useful improvements in TIME-RELEASE OF ENCAPSULATED SPERM CELLS FOR ARTIFICIAL INSEMINATION for which an application for United States Letters Patent was filed on August 23,2000 and assigned Serial No.09/644,483; and

WHEREAS, University of Michigan, (hereinafter referred to as Assignee) of Ann Arbor, State of Michigan is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, the receipt whereof is hereby acknowledged, and other valuable considerations, I the said HENRY Y. WANG, have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations and extensions thereof.

I hereby authorize and request the Patent and Trademark Office officials in the United States and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said Assignee as the Assignee of my entire right, title and interest in and to the same for the sole use and behoof of the said Assignee, its successors and assigns.

PATENT REEL: 011161 FRAME: 0030 FURTHER, I agree that I will communicate to said Assignee or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said Assignee, make all rightful oaths and generally do everything possible to aid said Assignee, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 5 day of Sole. Let, 2000.

Signed in the Presence of:

woo Jones

Henry Y. Wang

STATE OF MICHIGAN

SS.

COUNTY OF WASHTENAW:

On this ______ day of ______, 2000, personally appeared before me the above named Henry Y. Wang to me known and known to me to be the person described in and who executed the foregoing instrument and acknowledged the same to be his free act and deed in and for the purposes set forth in said instrument.

SEAL

Notary Public

My Commission Expires:

LISA L. JOSESS Notary Public, Washismery County, MI LE Come fester States - Resulted 1960

RECORDED: 09/25/2000

PATENT REEL: 011161 FRAME: 0031