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09/889609

Form PTO-1592 (modified)	##}#} # ## ## ## ### ### ###	
To the Honorable Commissioner c.	102131931	Attorney Docket No. 01107.00171
Name of Conveying Party or Parties: (1) Solomon H. SNYDER (2) Herman W SHETH (4) Takahashi MASAAKI (5) Jeal Roscoe O. BRADY, JR. (7) Christopher I	n-Pierre MOTHET, (6)	Name and address of receiving party or parties: THE JOHNS HOPKINS UNIVERSITY 720 Rutland Avenue Baltimore, Maryland 21205
Additional Names of conveying party or parties attact Yes No	hed?	
3. Nature of Conveyance: Assignment	Change of Name November 12, 2001 (3) 2001 (6) November 5,	Additional Name(s) and address(es) attached? ☐ Yes ☒ No
4. Application Number(s) or Patent Num		
If this document is being filed together wi	th a new application, the e	execution date of the application is:
A. Patent Application Number(s): 09/889,609		B. Patent Number(s):
Additional Name(s) and address(ss) attached? Yes	lo	
5. Name and address of party to whom concerning the document should be mailed BANNER & WITCOFF, LTD. 1001 G Street, N.W., 11 th Floor Washington, D.C. 20001	ed:	Total Number of Applications and patents involved: Total fee (37 CFR 3.41) Enclosed Authorized to be charged to deposit account 19-0733 Please charge or credit our deposit account for any additional or refunded fees associated with recording this assignment Deposit Account No.: 19-0733 (in the event additional fees are required) (Duplicate copy of this page attached if paying by deposit
Do Not Use this Spa	ce	account)
9. Statement and Signature: To the best of my knowledge and b	elief, the foregoing inform	ation is true and correct and any attached copy is a true copy of
Sarah A. Kagan, Reg.No. 32,141 Name of Person Signing	Signature	December 28, 2001 Date

PATENT

REEL: 012839 FRAME: 0749

ASSIGNMENT
WHEREAS, Solomon H. SNYDER. c/o The Johns Hopkins University, 111 Market Place, Suite 906, Baltimore, MD 21202; Herman WOLOSKER, c/o The Johns Hopkins University, 111 Market Place, Suite 906, Baltimore, MD 21202; Kevin SHETH, c/o The Johns Hopkins University, 111 Market Place, Suite 906, Baltimore, MD 21202; Takahashi MASAAKI, c/o The Johns Hopkins University, 111 Market Place, Suite 906, Baltimore, MD 21202; Jean-Pierre MOTHET, c/o The Johns Hopkins University, 111 Market Place, Suite 906, Baltimore, MD 21202; Roscoe O. BRADY, Jr., c/o The Johns Hopkins University, 111 Market Place, Suite 906, Baltimore, MD 21202; Christopher D. FERRIS, c/o The Johns Hopkins University, 111 Market Place, Suite 906, Baltimore, MD 21202
hereinafter (collectively) referred to as the Assignor, have invented certain new and useful improvements in <u>MAMMALIAN SERINE RACEMASE</u>
for which an application for Letters Patent of the United States has been prepared,
the Declaration for said application executed on even date herewith; said application having been filed in the United States Patent and Trademark Office on July 19, 2001 and accorded Serial Number 09/889,609, and was amended on July 19, 2001 (if applicable); said application having been filed under the Patent Cooperation Treaty on January 19, 2000 and accorded Application No. PCT/US00/00938, the United States of America being designated;
WHEREAS, THE JOHNS HOPKINS UNIVERSITY, 720 Rutland Avenue, Baltimore, Maryland 21205
hereinafter referred to as the Assignee, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention and in and to any Letters Patent of the United States which may be granted therefor; NOW THEREFORE, for good and valuable consideration the Assignor by these presents do sell, assign, and transfer unto the Assignee, its successors, legal representatives and assigns, the full and exclusive right to the invention as described in said application, 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 and to any and all divisions, reissues, continuations and extensions thereof; AND said Assignor authorize and request the Commissioner of Patents and Trademarks to issue all said Letters Patent to said Assignor authorize and request the Commissioner of Patents and Trademarks to issue all said Letters Patent to said Assignor warrant and covenant that I/We have full right to convey the entire interest herein assigned and that I/We have not executed and will not execute any instrument or assignment in conflict herewith; AND said Assignor agree to communicate to said Assignee or its representatives any facts known to me/us respecting said invention, to execute all divisional, continuation, reissue and foreign applications, sign all lawful documents and make all rightful oaths relating to said invention, and to testify in any judicial of administrative proceeding and generally do everything possible to aid the said Assignee to obtain and enforce said Letters Patent in the United States when requested so to do by said Assignee.
IN WITNESS WHEREOF, I/We have hereunto set my/our hand and seal.
Date: Signature: Solomon H. SNYDER Name: Solomon H. SNYDER
Date: Signature: WWW Name: Herman WOLOSKER

Date:	Signature:
	Name: Kevin SHETH
Date:	Signature:Name: Takahashi MASAAKI
Date:	Signature:Name: <u>Jean-Pierre MOTHET</u>
Date:	Signature:
Date:	Signature:Name: Christopher D. FERRIS

ASSIGNMENT
WHEREAS, Solomon H. SNYDER. c/o The Johns Hopkins University, 111 Market Place, Suite 906, Baltimore, MD 21202; Herman WOLOSKER, c/o The Johns Hopkins University, 111 Market Place, Suite 906, Baltimore, MD 21202; Kevin SHETH, c/o The Johns Hopkins University, 111 Market Place, Suite 906, Baltimore, MD 21202; Takahashi MASAAKI, c/o The Johns Hopkins University, 111 Market Place, Suite 906, Baltimore, MD 21202; Jean-Pierre MOTHET, c/o The Johns Hopkins University, 111 Market Place, Suite 906, Baltimore, MD 21202; Roscoe O. BRADY, Jr., c/o The Johns Hopkins University, 111 Market Place, Suite 906, Baltimore, MD 21202; Christopher D. FERRIS, c/o The Johns Hopkins University, 111 Market Place, Suite 906, Baltimore, MD 21202
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hereinafter referred to as the Assignee, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention and in and to any Letters Patent of the United States which may be granted therefor; NOW THEREFORE, for good and valuable consideration the Assignor by these presents do sell, assign, and transfer unto the Assignee, its successors, legal representatives and assigns, the full and exclusive right to the invention as described in said application, 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 and to any and all divisions, reissues, continuations and extensions thereof; AND said Assignor authorize and request the Commissioner of Patents and Trademarks to issue all said Letters Patent to said Assignee; AND said Assignor warrant and covenant that I/We have full right to convey the entire interest herein assigned and that I/We have not executed and will not execute any instrument or assignment in conflict herewith; AND said Assignor agree to communicate to said Assignee or its representatives any facts known to me/us respecting said invention, to execute all divisional, continuation, reissue and foreign applications, sign all lawful documents and make all rightful oaths relating to said invention, and to testify in any judicial of lawful documents and make all rightful oaths relating to said invention, and to testify in any judicial of lawful documents and make all rightful oaths relating to said invention, and to testify in any judicial of lawful documents and make all rightful oaths relating to said invention, and to testify in any judicial of lawful documents and make all rightful oaths relating to said invention, and to testify in any judicial of lawful documents and make all rightful oaths relating to said invention, and to testify in any judicial of lawful documents.
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Date: Signature: Solomon H. SNYDER
Date:Signature:Name: Herman WOLOSKER

Date:	Signature:
	Name: Kevin SHETH
Date:	Signature:Name: Takahashi MASAAKI
Date:	Signature:Name: <u>Jean-Pierre MOTHET</u>
Date:	Signature:Name: Roscoe O. BRADY, Jr
Date:	Signature:

	ASSIC	GNMENT
Baltimore, MI	21202; Herman WOLOSKER, c/o The D 21202; Kevin SHETH, c/o The Johns F 21202; Takahashi MASAAKI, c/o The D 21202; Jean-Pierre MOTHET, c/o The D 21202; Roscoe O. BRADY, Jr., c/o The D 21202; Christopher D. FERRIS, c/o The D 21202	Hopkins University, 111 Market Place, Suite 906, 2 Johns Hopkins University, 111 Market Place, Suite 906, Hopkins University, 111 Market Place, Suite 906, Johns Hopkins University, 111 Market Place, Suite 906, Johns Hopkins University, 111 Market Place, Suite 906, 2 Johns Hopkins University, 111 Market Place, Suite 906, 2 Johns Hopkins University, 111 Market Place, Suite 906, 3 Johns Hopkin
neremaner (co		ERINE RACEMASE
for which an a	pplication for Letters Patent of the Unite	d States has been prepared,
	2001 and accorded Serial Number 09/88 said application having been filed under	cuted on even date herewith; ne United States Patent and Trademark Office on <u>July 19</u> , 39,609, and was amended on <u>July 19, 2001</u> (if applicable); or the Patent Cooperation Treaty on <u>January 19, 2000</u> 300/00938; the United States of America being designated;
WHEREAS,	THE JOHNS HOPKINS UNIVERSI	TY, 720 Rutland Avenue, Baltimore, Maryland 21205
aforesaid inver NOW and transfer us invention as de which may be divisions, reise AND Letters Patent AND assigned and t AND me/us respect lawful docum	THEREFORE, for good and valuable of the Assignee, its successors, legal represented in said application, and the entire granted therefor in the United States sues, continuations and extensions thereof said Assignor authorize and request the to said Assignor warrant and covenant that I/We have not executed and will not said Assignor agree to communicate to large said invention, to execute all division that I/We have not execute all divisions and make all rightful oaths related proceeding and generally do everything in the United States when requested so	Commissioner of Patents and Trademarks to issue an said at I/We have full right to convey the entire interest herein execute any instrument or assignment in conflict herewith; a said Assignee or its representatives any facts known to onal, continuation, reissue and foreign applications, sign all ting to said invention, and to testify in any judicial or a possible to aid the said Assignee to obtain and enforce said to do by said Assignee.
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	Name: <u>Kevin SHETH</u>
Date:	Signature:Name: <u>Takahashi MASAAKI</u>
Date:	Signature:Name: <u>Jean-Pierre MOTHET</u>
Date:	Signature:Name: Roscoe O. BRADY, Jr.
Date: 10/22/07	Signature: Name: Christopher D. HBRRIS

	ASSIG	NMENT
Baltimore, MD 2	202; Herman WOLOSKER, c/o The 202; Kevin SHETH, c/o The Johns Hologo, Takahashi MASAAKI, c/o The Jacob, Jean-Pierre MOTHET, c/o The Jacob, Roscoe O. BRADY, Jr., c/o The 202; Christopher D. FERRIS, c/o The	opkins University, 111 Market Place, Suite 906, Johns Hopkins University, 111 Market Place, Suite 906, opkins University, 111 Market Place, Suite 906, Johns Hopkins University, 111 Market Place, Suite 906,
hereinafter (collec		ve invented certain new and useful improvements in ERINE RACEMASE
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⊠ sa 20 ⊠ sa	001 and accorded Serial Number 09/889 and application having been filed under	euted on even date herewith; e United States Patent and Trademark Office on <u>July 19</u> , 9,609, and was amended on <u>July 19</u> , 2001 (if applicable); the Patent Cooperation Treaty on <u>January 19</u> , 2000 00/00938, the United States of America being designated;
WHEREAS, TI	HE JOHNS HOPKINS UNIVERSIT	Y, 720 Rutland Avenue, Baltimore, Maryland 21205
aforesaid invention NOW TH and transfer unto invention as described which may be go divisions, reissue AND said	on and in and to any Letters Patent of the IEREFORE, for good and valuable of the Assignee, its successors, legal reperibed in said application, and the entire ranted therefor in the United States, continuations and extensions thereof the Assignor authorize and request the O	Comminssioner of theories and Transfer
AND sai assigned and that AND sai me/us respecting lawful documen	d Assignor warrant and coverlant that I/We have not executed and will not ed. Assignor agree to communicate to said invention, to execute all division and make all rightful oaths related to coeeding and generally do everything the United States when requested so to	t I/We have full right to convey the entire interest herein execute any instrument or assignment in conflict herewith; said Assignee or its representatives any facts known to nal, continuation, reissue and foreign applications, sign all ing to said invention, and to testify in any judicial or possible to aid the said Assignee to obtain and enforce said to do by said Assignee.
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Date:		Signature: Solomon H. SNYDER Name: Solomon H. SNYDER
Date:		Signature: Name: Herman WOLOSKER

Date:	Signature:
	Name: <u>Kevin SHETH</u>
Date:	Signature:Name: <u>Takahashi MASAAKI</u>
Date:	Signature: Name: <u>Jean-Pierre MOTHET</u>
Date: 11/5/01	Signature: Roscoe O. Brach, J. Name: Roscoe O. BRADY, Jr.
Date:	Signature: Name: Christopher D. FERRIS

	ASSIC	GNMENT
Baltimore, MI Baltimore, MI Baltimore, MI Baltimore, MI Baltimore, MI	D 21202; Herman WOLOSKER, c/o The D 21202; Kevin SHETH, c/o The Johns ED 21202; Takahashi MASAAKI, c/o The D 21202; Jean-Pierre MOTHET, c/o The D 21202; Roscoe O. BRADY, Jr., c/o The D 21202; Christopher D. FERRIS, c/o Th	Hopkins University, 111 Market Place, Suite 906, 2 Johns Hopkins University, 111 Market Place, Suite 906, 3 Johns Hopkins University, 111 Market Place, Suite 906, 3 Johns Hopkins University, 111 Market Place, Suite 906, 4 Johns Hopkins University, 111 Market Place, Suite 906, 5 Johns Hopkins University, 111 Market Place, Suite 906, 6 Johns Hopkins University, 111 Market Place, Suite 906, 7 Johns Hopkins University, 111 Market Place, Suite 906, 8 Johns Hopkins University, 111 Market Place, Suite 906, 906, 906, 906, 906, 906, 906, 906,
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WHEREAS,	THE JOHNS HOPKINS UNIVERSE	ΓΥ, 720 Rutland Avenue, Baltimore, Maryland 21205
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	Name: <u>Takahashi MASAAKI</u>
Date: 12001	Signature: Name: Jean-Pierre MOTHET
Date:	Signature:
	Name: Roscoe O. BRADY, Jr.
Date:	Signature:
	Name: <u>Christopher D. FERRIS</u>

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AS	SSIGNMENT
Baltimore, MD 21202; Herman WOLOSKER, c/o Baltimore, MD 21202; Kevin SHETH, c/o The Jo Baltimore, MD 21202; Takahashi MASAAKI, c/o Baltimore, MD 21202; Jean-Pierre MOTHET, c/o Baltimore, MD 21202; Roscoe O. BRADY, Jr., c/o	ohns Hopkins University, 111 Market Place, Suite 906, on The J
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Date:	Signature: M. J. Signature: Name: Takahashi MASAAKI
Date:	Signature:Name: <u>Jean-Pierre MOTHET</u>
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Date:	Signature:Name: Christopher D. FERRIS

	ASSIC	SNMEN	Γ
Baltimore, MI Baltimore, MI Baltimore, MI Baltimore, MI Baltimore, MI	21202; Kevin SHETH, c/o The Johns F 21202; Takahashi MASAAKI, c/o The 21202; Jean-Pierre MOTHET, c/o The 21202; Roscoe O. BRADY, Jr., c/o The 21202; Christopher D. FERRIS, c/o The	Johns Ho Johns Ho Johns Ho Johns Ho Johns Ho	pkins University, 111 Market Place, Suite 906,
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aforesaid inverse NOW and transfer us invention as d which may be divisions, reiss. AND Letters Patent AND assigned and to AND me/us respect lawful docum	THEREFORE, for good and valuable on to the Assignee, its successors, legal represented in said application, and the entire granted therefor in the United States sues, continuations and extensions thereous said Assignor authorize and request the to said Assignee; said Assignor warrant and covenant that I/We have not executed and will not said Assignor agree to communicate to said Assignor agree to communicate to ing said invention, to execute all division that I/We have not execute and request the I/We have not execute and request the I/We have not executed and will not said Assignor agree to communicate to the I/We have not executed and will not said Assignor agree to communicate to the I/We have not executed and will not said Assignor agree to communicate to the I/We have not executed and will not said Assignor agree to communicate to the I/We have not executed and will not said Assignor agree to communicate to the I/We have not executed and will not said Assignor agree to communicate to the I/We have not executed and will not said Assignor agree to communicate to the I/We have not executed and will not said Assignor agree to communicate to the I/We have not executed and will not said A	the United consideration or sentative right, tit and its to of; Commission to I/We had execute and said Assonal, conting to said to do by said	on the Assignor by these presents do sell, assign, the sand assigns, the full and exclusive right to the le and interest in and to any and all Letters Patent erritorial possessions and in and to any and all oner of Patents and Trademarks to issue all said we full right to convey the entire interest herein by instrument or assignment in conflict herewith; signee or its representatives any facts known to muation, reissue and foreign applications, sign all id invention, and to testify in any judicial or to aid the said Assignee to obtain and enforce said aid Assignee.
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Date:	_	Signature Name:	Solomon H. SNYDER
Date:		Signature Name:	Herman WOLOSKER

Date:	10/22/01	Signature: Name: Kevin SHETH
Date:		Signature:Name: Takahashi MASAAKI
Date:		Signature:Name: <u>Jean-Pierre MOTHET</u>
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