Substitute Form PTO-1595 Attorney Docket No.: 10278-024006

RECORDATION FORM COVER SHEET PATENTS ONLY

Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
Name of conveying party(ies):	Name and address of receiving party(ies):
Richard F Selden, Marianne Borowski, Frances P. Gillispie, Carol M. Kinoshita, Douglas A. Treco and Melanie D. Williams	Transkaryotic Therapies, Inc. 700 Main Street Cambridge, MA 02139
Additional name(s) attached? ☐ Yes 図 No	
3. Nature of conveyance:	
 ☑ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other: 	
Execution Date: 03/12/1999	Additional names/addresses attached? ☐ Yes 图 No
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).:
10/318,905	
Additional numbers attached? ☐ Yes ☑ No	
 Name/address of party to whom correspondence concerning document should be mailed; 	6. Total number of applications/patents involved: 1
LAURIE BUTLER LAWRENCE Fish & Richardson P.C. 225 Franklin Street	7. Total fee (37 CFR §3.41): \$40 □ Enclosed ☑ Authorized to charge Deposit Account.
Boston, MA 02110	8. Deposit Account No.: 06-1050
	Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: 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.	
Laurie Butler Lawrence Reg. No. 46,593 Name of Person Signing Signature	Date 10/30/06
Tota	I number of pages including coversheet, attachments and document: 6

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PATENT REEL: 017874 FRAME: 0953

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ASSIGNMENT

For valuable consideration, we, Richard F Selden, of Welleslev. MA; Marianne Borowski of Winthrop, MA; Frances P. Gillispie of Lexington, MA; Carol M. Kinoshita of Bedford, MA; Douglas A. Treco of Arlington, MA; and Melanie D. Williams of Natick, MA hereby assign to TRANSKARYOTIC THERAPIES INC., a Massachusetts corporation having a place of business at 195 Albany Street, Cambridge, MA 02139, 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 us, entitled THERAPY FOR α-GALACTOSIDASE A DEFICIENCY, filed September 12, 1997, and assigned U.S. Serial Number

08/928.881; 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 we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our 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. This assignment is effective as of September 12, 1997.

N WITNESS WHEREOF, I hereto set my hand and seal at Combridge MA
his 12 day of march 19 99 L.:
RICHARD F SELDEN
STATE OF <u>Marsochuszetes</u> :
iss. COUNTY OF MIGRICALE :
Before me this 1212 day of more n, 1999, 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 for the purposes therein contained.
Ray Public
My Commission Expires: #\(\(\frac{16}{16}\)\(\frac{200}{200}\)\(\frac{2}{200}\)

PATENT REEL: 017874 FRAME: 0954

IN WITNESS WHEREOF, I hereto set my hand and seal at Combold of MA
this 12 day of march , 1999
Mariane Borows &
MARIANNE BOROWSKI
STATE OF MCSSACHUSCHES::
COUNTY OF TOTALLECX:
Before me this 12 th day of March, 1997, personally appeared
morrowne, Bocowsti 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 for the purposes therein contained.
Range Pubern Notary Public
Notary Public
My Commission Expires: 1116 2002 [Notary's Seal Here]
IN WITNESS WHEREOF, I hereto set my hand and seal at Cam pridge, MA
this 12 day of <u>March</u> , 1999
FRANCES P. GILLISPIE
STATE OF Mussichesetts:
1 5S .
COUNTY OF <u>action of the tray</u> :
Before me this 12 to day of Moron, 1999 personally appeared
$f_{restrict} = f_{restrict} = f_{restrict}$ 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 for the purposes therein contained.
Notary Public
My Commission Expires: 11/16/2002 [Notary's Seal Here]

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PATENT REEL: 017874 FRAME: 0955

NO. 0542 P. 4

IN WITNESS WHEREOF, I hereto set my hand and seal at Camerica at TA
this 12 day of march , 1999
CAROL M. KINOSHITA L.S.
CAROL M. KINOSHITA
STATE OF MONGOCHUNGERS:
SSS.
COUNTY OF middles CX:
Before me this 12th day of Mecch, 1999, personally appeared
Carol 10. kinoshita 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 for the purposes therein contained.
$Q: \mathcal{Q} \to \mathcal{Q} $
Rayon H. Palserman Notary Public
Troubly Lucito
My Commission Expires: 11/16/2007
[Notary's Seal Here]
To What was the same of the sa
IN WITNESS WHEREOF, I hereto set my hand and seal at Combound MA
this 12 day of morch, 19 99
L.S.
DOUGLAS A. TRECO
STATE OF Mascan hoseths:
SS. COUNTY OF TYNKHESCX
Before me this 12th day of Mayor b, 1999, personally appeared
<u>Countries</u> A Trace whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.
Notary Public
My Commission Evnires: 11 \ 14 \ 2 -0/- 2
My Commission Expires: □\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\

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PATENT REEL: 017874 FRAME: 0956

NO. 0542 P. 5

JUN. 30. 2006 3:55PM (2) -FISH&RICHARDSON_6175428906 NO. 0542 P. 6
IN WITNESS WHEREOF, I hereto set my hand and seal at Combridge MA
this 12 day of march, 1999 L.S. MELANIE D. WILLIAMS
STATE OF Massachusetts:
iss. County of <u>middlessex</u> :
Before me this 12th day of Mach 1999, 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 for the purposes therein contained.
Roma H. Richerman
My Commission Expires: コロロン (Notary's Seal Here)

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RECORDED: 06/30/2006

PATENT REEL: 017874 FRAME: 0957