# 9/10/99

### 09-13-1999



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Submission Type	Conveyance Type  Assignment License Merger Security Agreer Change of Nam Other:	ment S	EP 10	
Reel # Frame #  Conveying Party(ies)  1. William M. Bonner  2. Emmy Rogakou  3.  4.  5.  6.		Execution Date( September 1, 199 September 1, 199	99	
Mark if Additional Names of Conveying Parties Attach	ed			
Receiving Party  Name Government of the United States of America  Name Department of Health and Human Services  Address National Institutes of Health  Address 6011 Executive Boulevard Suite 325  Address Rockville MD/USA 20852  City State/Country Zip Code				
Mark if Additional Names of Receiving Parties Attached  Correspondent Name and Address				
Carol Larcher, Ph.D.  Leydig, Voit & Mayer, Ltd.  Two Prudential Plaza, Suite 4900  Chicago, Illinois 60601-6780  Pages Enter the total number of pages of the attached conveyance document including any attachment and process of the attached conveyance document including any attachment and polication Number(s) or Patent Number(s)		616-5700 No. 175908 ttachments: 3 numbers attached		
Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).				
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09/351,721				
If this document is being filed together with a <i>new</i> Patent Application, enter the date the patent application was signed by the first named executing inventor.  Patent Cooperation Treaty (PCT)  Month Day Year				
Enter PCT application number only if a U.S. Application	PCT	PCT	PCT	
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Fee Amount for Properties Listed (37 CFR 3.41):  Method of Payment:  Enclosed is a check in the amount of \$40.00  Charge Deposit Account No. 12-1216  Authorization to Charge Additional Fees to Deposit Account No. 12-1216: Yes No  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. Charges to deposit account are authorized, as indicated herein.				
Carol Larcher 35,243	September 8, 1999			
	Signature		Date	

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#### JOINT ASSIGNMENT

WHEREAS, WE, William M. Bonner and Emmy Rogakou, employees of the Department of Health and Human Services, have invented

## ANTI-γ-H2A ANTIBODY, FUSION PROTEINS THEREOF AND METHOD AND KIT FOR DETERMINING DNA DOUBLE-STRANDED BREAKS

for which invention we have executed an application for Letters Patent of the United States of America which was filed on July 12, 1999, under Serial No. 09/351,721; and

WHEREAS, we are the applicants named in the above-mentioned application for Letters Patent; and

WHEREAS, the conditions under which said invention was made are such as to entitle the Government under Paragraph 1(a) of Executive Order 10096 to the entire right, title, and interest herein, both domestic and foreign; and

WHEREAS, the Government of the United States of America is desirous of acquiring all domestic and foreign right, title, and interest in the above-mentioned invention described in the aforesaid application for Letters Patent; and

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign and transfer to the Government of the United States of America, represented by the Secretary, Department of Health and Human Services, the full and exclusive rights in and to said invention in the U.S. and within each and every foreign country in which the Government elects to file and the entire right, title, and interest in and to such applications, and any continuations, continuations-in-part, divisions, reissues or extensions thereof, and including priority rights, as may be filed in the U.S. and foreign countries, and such Letters Patent as may be granted to be held by the Government to the end of the term for which the same would have been held by the inventors had this assignment not been made.

We further agree to make, execute, and deliver to the Secretary, Department of Health and Human Services, upon request, any and all papers, documents, affidavits, or other instruments that may be necessary in the prosecution of any application or applications for improvements or reissues of Letters Patent, and to assist the Government in every way as may be requested in protecting said invention, provided that any expense of extending such assistance shall be paid by the Government.

WE HEREBY AUTHORIZE the above-mentioned Assignee to insert in this instrument the filing date and serial number of said application.

Page 1 of 2

In re Appln of Bonner et al. Serial No. 09/351,721

IN WITNESS WHEREOF, we subscribe our hands and sales on the dates shown		
below:		
Date Suptember 1, 1999  STATE OF Maryland ) SS:	William M. Bonner	
be the same person whose name is subscri acknowledged that he/she signed and deliver	am M. Bonner, who is personally known to me to the document as his/her free and voluntary act	
for the uses and purposes therein set forth.	11/1/10/10/11	
{SEAL}	Notary Public  My Commission Expires: 26 Jun 64/2002	
<del></del>		
Date 1th September 1999	Emmy Rogakou	
STATE OF Now ( ) SS:	Ü	
COUNTY OF Thom Tatemery	- hu 1099 .	
the same person whose name is subscrib acknowledged that he/she signed and delive	ny Rogakou, who is personally known to me to be bed to the foregoing assignment document, and red the document as his/her free and voluntary act	
for the uses and purposes therein set forth.  Date Schun ku / 1999	Notary Public Wattu	
{SEAL}	My Commission Expires: Stylin bul, 2002	