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To the Director of the U.S. Patent 103429	d documents or the new address(es) below.	
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)	
BIRD, Adrian Peter	Name: University Court of The University of Edinburgh	
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Additional name(s) of conveying party(ies) attached? Yes V No		
3. Nature of conveyance/Execution Date(s):	Street Address: Old College, South Bridge	
Execution Date(s) May 15, 2007 and June 8, 2007		
Assignment Merger	Oite of Edishamb	
Security Agreement Change of Name	City: Edinburgh	
Joint Research Agreement	State:	
Government Interest Assignment	Country: United Kingdom Zip:EH8 9YL	
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Other	Additional name(s) & address(es) attached? ☐ Yes ✓ No	
4. Application or patent number(s):	document is being filed together with a new application.	
A. Patent Application No.(s)	B. Patent No.(s)	
11/666 _, 558		
	lached? Yes No	
5. Name and address to whom correspondence	6. Total number of applications and patents	
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5. Name and address to whom correspondence concerning document should be mailed: Name: Thomas Hoxie Internal Address: Hoxie & Associates LLC Street Address: 75 Main Street, Suite 301 City: Millburn State: New Jersey Zip: 07041	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information	
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PATENT

REEL: 019598 FRAME: 0160

ASSIGNMENT

WHEREAS, the undersigned, hereinafter referred to as "ASSIGNOR(s)", have invented certain novel and useful subject matter (the "Invention") as disclosed in an application pursuant to the Patent Cooperation Treaty ("PCT") entitled:

APPLICATIONS OF NUCLEIC ACID FRAGMENTS

bearing Application Number: PCT/GB2005/004202, filed October 31, 2005; and

WHEREAS, University Court of The University of Edinburgh having its principal place of business at Old College, South Bridge, Edinburgh EH8 9YL, United Kingdom (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to the Invention for the United States of America;

Signed, sealed and delivered by:

Adrian Peter Bird

Robert Scott Illingworth

Helle Faerk Jorgensen

RECORDED: 07/12/2007

Date: $\frac{(5/5/67)}{}$

Date: 15/5/67

Date: 8/6/7

PATENT REEL: 019598 FRAME: 0161