Mrs 3-24.99

FORM PTO-1619A Expires 06/30/99 OMB 0651-0027 04-02-1999



101000619

U.S. Department of Commerce Patent and Trademark Office PATENT

RECORDATION FORM COVER SHEET PATENTS ONLY

	PATENTS ONLY			
TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).				
Submission Type	Conveyance Type			
√ New	Assignment Se	curity Agreement		
Resubmission (Non-Recordation) Document ID#	License	ange of Name		
Correction of PTO Error Reel # Frame #		her Confirmatory License		
Corrective Document	U.S. Government (For Use ONLY by U.S. Government Agencies)			
Reel # Frame #	V Departmenta	l File Secret File		
Conveying Party(ies) Mark if additional names of conveying parties attached Execution Date Month Day Year				
Name (line 1) President and Follows of Harvard College 02/10/1999				
Name (line 2)		Execution Date		
Second Party Name (line 1)		Month Day Year		
Name (line 2)				
Receiving Party Mark if additional names of receiving parties attached				
Name (line 1) United States Department of Energy		If document to be recorded Is an assignment and the receiving party is not		
Name (line 2)		domiciled in the United States, an appointment of a domestic		
Address (line 1) 1000 Independence Avenue	representative is attached.			
Address (line 2)		Assignment.)		
Address (line 3) Washington	D.C. USA	20585		
City	State/Country	Zip Code		
Domestic Representative Name and Address Enter for the first Receiving Party only.				
Name				
Address (line 1)				
Address (line 2)				
Address (line 3)				
Address (line 4)				
FOR OFFICE WAY				
FOR OFFICE USE ONLY				
	•			

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington,

D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB

Mail documents to be recorded with required cover sheet(s) information to:

Commissioner of Patents and Trademarks, Box Assignments, Washington A.T. PAPT

REEL: 9849 FRAME: 0664

FORM PTO-1619B Expires 06/30/99 OMB 0651-0027	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT	
Correspondent Name and Address	Area Code and Telephone Nun	ber 630-252-2176	
Name Robert J. Fisher			
Address (line 1) U.S. Department of Energy			
Address (line 2) Office of Intellectual Property Law			
Address (line 3) 9800 S. Cass Ave			
Address (line 4) Argonne, IL 60439			
Pages Enter the total number of page including any attachments.	es of the attached conveyance d	ocument # 01	
Application Number(s) or Patent Num	ber(s)	lark if additional numbers attached	
Enter either the Patent Application Number or the Pa	ntent Number (DO NOT ENTER BOTH nu	mbers for the same property).	
Patent Application Number(s) 09/132,368 If this document is being filed together with a new Paten		Patent Number(s)	
was			
Patent Cooperation Treaty (PCT) Enter PCT application number only if a U.S. Application Number has not been assigned.	PCT PCT PCT PCT	PCT PCT	
Number of Properties Enter the total number of properties involved. #			
Fee Amount Fee Amount f	or Properties Listed (37 CFR 3.4	1): \$ 0.00	
Method of Payment: Enclosed Deposit Account Deposit Account Center for payment by deposit account or if additional fees can be charged to the Deposit Account Number:			
	oposit Account Hullingt.	#	

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.

Mark P. Dvorscak

Marchy Drozzak Mar 18 1999
Signature Date

Authorization to charge additional fees:

No

Name of Person Signing

Yes

CONFIRMATORY LICENSE (Nonprofit Organizations or Small Business Firms)

Invention Title: : Surface-Bound Double-Stranded DNA Protein Arrays

Inventor(s): : George Church and Martha Bulyk

Serial No.: : 09/132,368 Filing Date: : August 11, 1998

Contractor: PRESIDENT AND FOLLOWS OF HARVARD COLLEGE

DOE Contract No.: : DEFG02-87ER-60565

DOE Case No.: : S-90,293

RECORDED: 03/24/1999

Patent Rights Clause No. DEAR 952.227.71

Foreign Applications filed in or intended to be filed at Contractor's expense in (countries): PCT/US98/16686, 8/11/98. National Phase countries not yet designated.

The invention identified above is a "subject invention" under the Patent Rights clause included in the above-identified contract with the Department of Energy.

This document is confirmatory of the paid-up license granted to the Government under this contract in this invention, patent application, and any resulting patent, and of all other rights acquired by the Government by the reference clause, a copy of which is attached hereto and incorporated by reference herein.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

.. uppileutieil

Signed this $\frac{U'}{U}$ day of

(Seal)

PRESIDENT AND FEILOWS OF ARVARD COLLEGE

(Contractor)

By

(Business Address)

Typed Name: Joyce Brinton

Title: Director, Office for Technology and Trademark Licensing, Harvard University

PATENT REEL: 9849 FRAME: 0666