PATENT ASSIGNMENT

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NATURE OF CONVEYANCE: EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE

CONVEYING PARTY DATA

Name	Execution Date
COLUMBIA UNIV NEW YORK MORNINGSIDE	11/04/2011

RECEIVING PARTY DATA

Name:	National Institutes of Health (NIH), U.S. Dept. of Health and Human Services (DHHS), U.S. Government	
Street Address:	NIH Division of Extramural Inventions and Technology Resources (DEITR)	
Internal Address:	6705 Rockledge Drive, Suite 310, MSC 7980	
City:	Bethesda	
State/Country:	MARYLAND	
Postal Code:	20892-7980	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13186353

CORRESPONDENCE DATA

Fax Number: (301)480-0272 Email: edison@nih.gov

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Director, DEITR

Address Line 1: NIH, 6705 Rockledge Drive, Suite 310

Address Line 2: MSC 7980

Address Line 4: Bethesda, MARYLAND 20892-7980

NAME OF SUBMITTER: Director, DEITR, NIH

Total Attachments: 1

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PATENT REEL: 027290 FRAME: 0208

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Sign and submit the executed document to the appropriate funding agency (e.g. upload in (Edison). Invention Title design and synthesis of photocleavable ploorescent nucleofides as peversible TERMINATORS FOR DNA SEQUENCING BY SYNTHESIS inventor(s) KIACPENG BAI, LANFONG BI, JINGYUE JU, DAB KIM, QINGLING MENG, NICHOLAS TURRO U.S. Filing/Issue Date: 7/19/2011 Patent or Application Serial No.: 13/186, 353 Grant/Contract Number(s): EG002806 Foreign Applications filed/intended in (countries) The invention identified above is a Subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights clause at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United State Government. This document is confirmatory of 1. The nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention described in any patent application and in any and all divisions, continuations, and continuations in part, and in any and all patents and re-issues granted thereon throughout the world, and 2. All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations that are applicable to the award. The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application. dayof Nov 20 By _____(Institutional Business Official) (Signature) Scot G. Hamilton Senior Director Country Technology Vertical For COLUMBIA UNIV NEW YORK MORNINGSIDS (Grantee/Contractor Organization)

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