503073786 11/24/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3120390

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE

CONVEYING PARTY DATA

Name	Execution Date
UNIVERSITY OF COLORADO	11/10/2014

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:	14388748

CORRESPONDENCE DATA

Fax Number: (301)480-0272

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: edison@nih.gov
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

SIGNATURE:

/Director, DEITR, NIH/

DATE SIGNED:

11/24/2014

Total Attachments: 2

source=14388748,LAB,11-24-2014#page1.tif source=14388748,LAB,11-24-2014#page2.tif

PATENT 503073786 REEL: 034250 FRAME: 0087

LICENSE TO THE UNITED STATES GOVERNMENT

Invention Title: Thioether Nucleic Acids (TNAs)

Inventor(s): Christopher Bowman

Chris Kloxin Weixian Xi

Serial No.: 14/388,748

entitled Click Nucleic Acids

File Date: 9/26/2014

Grant/Contract Identification

R21CA174479

Number(s):

Foreign Applications China, Europe, Japan (PCT/US2013/030538)

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 or FAR 52.227-11, which are included among the terms of the above-identified grant/contract awards from the **National Institutes of Health**. This document is confirmatory of:

- I. 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
- II. All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations which are applicable to the award.

Signed this 10th day of November, 2014

W aller

By

Kate Tallman, Interim Associate Vice President Technology Transfer

PATENT REEL: 034250 FRAME: 0088 For University of Colorado

At 4845 Pearl East Circle, Suite 200

Campus Box 588 Boulder, CO 80309

> PATENT REEL: 034250 FRAME: 0089

RECORDED: 11/24/2014