

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3472830

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
UNIVERSITY OF CALIFORNIA, SAN DIEGO	12/05/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	National Science Foundation
<b>Street Address:</b>	4201 Wilson Blvd
<b>Internal Address:</b>	Room 1265
<b>City:</b>	Arlington
<b>State/Country:</b>	VIRGINIA
<b>Postal Code:</b>	22230
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	8301387
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)292-9041
<i>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.</i>	
<b>Email:</b>	nsfpatents@nsf.gov
<b>Correspondent Name:</b>	NATIONAL SCIENCE FOUNDATION
<b>Address Line 1:</b>	4201 WILSON BLVD
<b>Address Line 2:</b>	ROOM 1265
<b>Address Line 4:</b>	ARLINGTON, VIRGINIA 22230
<b>NAME OF SUBMITTER:</b>	DANA THIBODEAU
<b>SIGNATURE:</b>	/DMT/
<b>DATE SIGNED:</b>	08/06/2015
<b>Total Attachments: 1</b>	
source=1564#page1.tif	

# License to the United States Government

Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison).

Invention Title: GENETIC COMPUTING USING COMBINATORIAL TRANSCRIPTION CONTROL

Inventor(s): Terence TL Hwa, Ulrich Gerland, Nicolas Buchler

U.S. Filing/Issue Date: 10/30/2012

Patent or Application Serial No.: 8,301,387

Grant/Contract Number(s): 0083704, 0211308, 9971456

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.

Signed this 5th day of December, 2012.

By William J. Decker  
(Institutional Business Official)

[Signature]  
(Signature)

Title Associate Director, Technology Transfer

For UNIVERSITY OF CALIFORNIA SAN DIEGO  
(Grantee/Contractor Organization)

At Technology Transfer Office 9500 Gilman Drive #0910 La Jolla, CA 92093 US  
(Business Address)