504239917 02/22/2017

PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MYRON E. ESSEX	05/07/2015
IAIN J. MACLEOD	05/08/2015
CHRISTOPHER F. ROWLEY	05/08/2015

RECEIVING PARTY DATA

Name:	PRESIDENT AND FELLOWS OF HARVARD COLLEGE	
Street Address:	17 QUINCY STREET	
City:	CAMBRIDGE	
State/Country:	MASSACHUSETTS	
Postal Code:	02138	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15026031

CORRESPONDENCE DATA

Fax Number:

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: caroline borek@harvard.edu

Correspondent Name: KAREN SINCLAIR

Address Line 1: 1350 MASSACHUSETTS AVENUE

Address Line 2: HARVARD UNIVERSITY, OFFICE OF TECH. DEV.

Address Line 4: CAMBRIDGE, MASSACHUSETTS 02138

ATTORNEY DOCKET NUMBER:	4391
NAME OF SUBMITTER:	KAREN SINCLAIR
SIGNATURE:	/kas/
DATE SIGNED:	02/22/2017

Total Attachments: 3

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PATENT 504239917 REEL: 041344 FRAME: 0644

Patent Assignment HU Case: 4391 Appl. No(s): PCT/US14/58278

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the undersigned:

Myron E Essex, Iain J MacLeod and Christopher F Rowley

(each hereafter "Assignor") hereby assign, sell, and transfer to:

President and Fellows of Harvard College 17 Quincy Street, Cambridge, Massachusetts 02138

(hereafter "Assignee") its successors and assigns, Assignor's entire right, title and interest throughout the world in and to any and all inventions for:

Methods of Determining Polymorphisms

described in International Patent Application No. PCT/US14/58278, filed September 30, 2014; and in United States Provisional Patent Application No. 61/884,352, filed September 30, 2013; and in United States Provisional Patent Application 61/945,187, filed February 27, 2014; and in and to the aforesaid application(s), in any form or embodiment thereof, and in and to any application on any of the inventions filed in this and any foreign country, based thereon, including the right to file said applications, apply for patent rights, and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon any of the inventions and any divisional, continuation, or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

For purposes of complying with foreign requirements, the above paragraph is intended to expressly grant all the recited rights and grants in China, Korea, and Japan.

Assignor hereby warrants that he/she has full right to convey his/her entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

Assignor further agrees, without further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention

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or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its representatives or agents, or its successors or assigns to secure, obtain and enforce proper patent protection for said invention or inventions in this and any foreign country.

Assignor authorizes Assignee or Assignee's representative to supply and/or to correct any errors or omissions in the patent/application information provided above including but not limited to said application serial number(s) and filing date(s), prior to or after recordation.

Assignor appoints Assignee, through its designee, as its attorney-in-fact to execute, in Assignor's name and on Assignor's behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

ANDREA SABAROFF

Witness's Printed Name

Patent Assignment HU Case: 4391

Appl. No(s): PCT/US14/58278

5/8/15 Data

Christopher F Rowley

B My 2015

Witness

Witness's Printed Name

PATENT

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