# **PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3848134

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

#### **CONVEYING PARTY DATA**

Name	Execution Date
JOB DEKKER	09/20/2011
NYNKE VAN BERKUM	09/20/2011

## **RECEIVING PARTY DATA**

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## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15137988

## **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	UMASS-W-18252 UMASS-W		
NAME OF SUBMITTER:	ABBY EVERSON		
SIGNATURE:	/abby everson/		
DATE SIGNED:	04/27/2016		

**Total Attachments: 2** 

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PATENT REEL: 038393 FRAME: 0071

503801487

Attorney Docket No.: UMASSW-18252

	RECORDATION FO	U.S. Department of Commerce		
Form PTO-1595	PATENT	Patent and Trademark Office		
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.				
<ol> <li>Name of conveying party Job Dekker NynkeVan Berkum</li> </ol>	/(ies):	Name and address of receiving party(ies):  University of Massachusetts One Beacon Street, 31st Floor Boston, MA 02108		
Additional name(s) of co	onveying party(ies) attached?	Additional name(s) &	ż address(es) attached? No	
3. Nature of conveyance: A Execution Date: 09/20/2				
4. Title of Invention: HiC: Methods of Identifying Interactions Between Genomic Loci				
A. Patent Application No.(s): 15/	37,988	B. Patent No.(s	s):	
	Additional numb	vers attached? No		
5. Name and address of party to whom correspondence concerning document should be mailed:  Peter G. Carroll MEDLEN & CARROLL, LLP 1440 Broadway, Suite 510 Oakland, California 94612		<ol> <li>Total number of applications and patents involved: 1</li> <li>Total fee(s): Effective January 01, 2014, as an electronic submission, payment in the amount of\$40 (\$40 Recordation fee) is not submitted.</li> <li>Deposit Account Authorization:         <ul> <li>The Commissioner is hereby authorized to charge an additional fees or credit any overpayment to Deposit Account No. 08-1290.</li> </ul> </li> </ol>		
	DO NOT USE	THIS SPACE		
9. 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.				
Date: <u>April 26, 2016</u>		Signature: Bilbert J	housan Kelly	
		Name: Gilbert Thomson Kelly		
		Reg. No.: 70,988		

PATENT REEL: 038393 FRAME: 0072 In accordance with C.F.R. 1.63(d)(iv), the attached Assignment is to be used for Divisional Appln Entitled: HiC: Methods of Identifying Interactions

Between Genomic Loci Filed: 4/25/2016

Docket No. UMASS-W-18252

G.T.K. 04/26/2016

Patent Application Serial Number: 13/121,158 Attorney Docket No.: U MASSW-17102

## ASSIGNMENT

WHEREAS, We, Job Dekker and NynkeVan Berkum hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth ine below-identified application for United States etters Patent:

Title of Invention: HIC: Methods of Identifying Interactions Between Genomic Loci

Filing Date: 3/25/2011

Serial No.: 13/121,158

WHEREAS, University of Massachusetts, a Massachusetts corpor ation, 333 South Street, Suite 400, Shrewsbury, Massachusetts 01545-4169, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interestilsaid invention and application and in any Letters Patenahich may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, atgn and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said inventing said application for United States Letters Patent, and any Letters Patent which may heafter be granted on the same in the United States all countries throughout the world including any divisions, renewals, continuatins in whole or in part, substitutions, conversionseissues, prolongations or extensions thereof, said interest to be held and enjoyed by tata ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not beenmade, to the full end and term of any Letters Paten

ASSIGNOR further agrees that ASSIGNOR will, withou t charge to said ASSIGNEE, but at ASSIGNEE's expens e, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledgend deliver all such further papers, including applications for Letters Patentrad for the reissue thereof, and instruments of assimment and transfer thereof; and will perform such other acts as ASSIGNEE lawfully may re quest, to obtain or maintain Letters Patent for skilinvention and improvement in any and all countries, and to vest title thereto isaid ASSIGNEE, or ASSIGNEE's successors and assign s.

IN TESTIMONY WHEREOF, ASSI	GNOR ha	as hereunto signed	ASSIGNOR's names to this assignment	on the date indicated
Dekker, Job	91	20/20 [[ Date	Van Berkum, Nynke	9-20-2011 Date
STATE OF	)			
COUNTY OF	)	SS.		
	mown to	me (oproved to me	f, before me, the undersigned n on the basis of satisfactory evidence be ti ecuted the same.	
			NOTARY PUBLIC	SEAL

PATENT REEL: 038393 FRAME: 0073

**RECORDED: 04/27/2016**