# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

ersion v1.1 EPAS ID: PAT6025393

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
JONATHAN LORNE BRAMSON	03/12/2020
CHRISTOPHER W. HELSEN	03/18/2020
JOANNE ALICIA HAMMILL	03/13/2020
KENNETH ANTHONY MWAWASI	03/14/2020

# **RECEIVING PARTY DATA**

Name:	MCMASTER UNIVERSITY		
Street Address:	175 LONGWOOD ROAD SOUTH		
Internal Address:	SUITE 305		
City:	HAMILTON, ONTARIO		
State/Country:	CANADA		
Postal Code:	L8P 0A1		

# **PROPERTY NUMBERS Total: 1**

Property Type	Number	
Application Number:	16826053	

## **CORRESPONDENCE DATA**

**Fax Number:** (650)493-6811

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.

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**Email:** jhuddleston@wsgr.com, patentdocket@wsgr.com

Correspondent Name: WILSON SONSINI GOODRICH & ROSATI

Address Line 1: 650 PAGE MILL ROAD

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ATTORNEY DOCKET NUMBER:	MBER: 55247-704.301	
NAME OF SUBMITTER:	JENNIFFER HUDDLESTON	
SIGNATURE:	/Jenniffer C. Huddleston/	
DATE SIGNED:	03/20/2020	

**Total Attachments: 4** 

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PATENT REEL: 052183 FRAME: 0109

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> PATENT REEL: 052183 FRAME: 0110

	PA	ATENT ASSIGNMENT			Docket Numbe	r 55247-704.201	
WHEREAS, the undersigned:							
Jonathan Lorne BRAMSO Oakville, Ontario (CA)	ON 2.	Christopher W. HELSEN Oakville, Ontario (CA)	3.	Joanne Alicia HAMMILI Hamilton, Ontario (CA)	4	Kenneth Anthony MWAWASI Hamilton, Ontario (CA)	
(hereinafter "Inventor(s)"), ha	hereinafter "Inventor(s)"), have invented certain new and useful improvements in						
<b>5</b> 4 6 111		ELL-ANTIGEN COUPLER				1.00	
		l number <u>16/442,274</u> was filed				*	
	•	Application(s)" also includes a			• •	••	
(hereinafter "Assignee"), is dembodiments of the invention "Inventions"), and in and to a	esirous of acous, heretofore my and all pa agreement, p	quiring the entire right, title and conceived, made or discovered tents, inventor's certificates and protocol, or treaty, including the	l interest in a l, whether jo l other forms	nd to said Application(s), intly or severally, by said l of protection thereon gran	and the inventions Inventor(s) (herein ated in the United	amilton, Ontario L8P 0A1 (CA), s disclosed therein, and in and to all nafter collectively referred to as States, foreign countries, or under Industrial Property, The Patent	
NOW, THEREFO Assignee:	RE, in consi	deration of good and valuable c	consideration	acknowledged by said Inv	ventor(s) to have b	een received in full from said	
in and to said Applications, ir substitution, continuation, or the foregoing; (e) in and to ea application filed outside the U Patent(s), including all rights	1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said Inventions; (b) in and to said Applications, including the right to claim priority to and from said Application(s); (c) in and to each and every application that is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); (d) in and to said Patent(s) and each and every patent issuing or reissuing from any of the foregoing; (e) in and to each and every reissue, reexamination, renewal or extension of any kind of any of the foregoing; (f) in and to each and every patent and application filed outside the United States and corresponding to any of the foregoing; and (g) in and to all claims for past, present and future infringement of the Patent(s), including all rights to sue for and to receive and recover for Assignee's own use all past, present, and future lost profits, royalties, and damages of whatever nature recoverable from an infringement of the Patent(s).						
Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that reasonable expenses incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.							
		nants of this assignment shall in ir respective heirs, legal represe			successors, assign	ns and other legal representatives, and	
4. Said In understanding in conflict here		eby warrant, represent and cover	enant that sai	id Inventor(s) have not ent	ered and will not	enter into any assignment, contract, or	
5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.							
6. This instrument will be interpreted and construed in accordance with the laws of the State of California, without regard to conflict of law principles. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.							
IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:							
Date: March 12, 2020	Jonathan Lor	ne BRAMSON	Da	te:	Christopher W. H	ELSEN	
Date:	Joanne Alicia	a HAMMILL	Da	te:	Kenneth Anthony	MWAWASI	

### PATENT ASSIGNMENT

Docket Number 55247-704.201

WHEREAS, the undersigned:

- Jonathan Lorne BRAMSON
   Oakville, Ontario (CA)
- 2. Christopher W. HELSEN Oakville, Ontario (CA)
- 3. Joanne Alicia HAMMILL Hamilton, Ontario (CA)
- 4.. Kenneth Anthony MWAWASI Hamilton, Ontario (CA)

(hereinaster "Inventor(s)"), have invented certain new and useful improvements in

#### T CELL-ANTIGEN COUPLER WITH VARIOUS CONSTRUCT OPTIMIZATIONS

for which application serial number 16/442,274 was filed on June 14, 2019 in the United States Patent and Trademark Office:

(hereinafter, "Application(s)"). The term "Application(s)" also includes all patent applications that share or claim priority to or from the above application(s).

WHEREAS, McMaster University, a university having a place of business at 175 Longwood Road South, Suite 305, Hamilton, Ontario L8P 0A1 (CA), (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application(s), and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise (hereinafter "Patent(s)").

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

- Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said Inventions; (b) in and to said Applications, including the right to claim priority to and from said Application(s); (c) in and to each and every application that is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); (d) in and to said Patent(s) and each and every patent issuing or reissuing from any of the foregoing; (e) in and to each and every reissue, reexamination, renewal or extension of any kind of any of the foregoing; (f) in and to each and every patent and application filed outside the United States and corresponding to any of the foregoing; and (g) in and to all claims for past, present and future infringement of the Patent(s), including all rights to sue for and to receive and recover for Assignee's own use all past, present, and future lost profits, royalties, and damages of whatever nature recoverable from an infringement of the Patent(s).
- Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that reasonable expenses incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.
- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.
- 4. Said Inventor(s) hereby warrant, represent and covenant that said Inventor(s) have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.
- 5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.
- 6. This instrument will be interpreted and construed in accordance with the laws of the State of California, without regard to conflict of law principles. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:

				Christopher W. Helsen
				cn=Christopher W. Helsen,
Date:		Date:		
	Jonathan Lorne BRAMSON			_latco ou=Director Research
				and Development,
				email=chelsen@triumvira.c
Date:		Date:		om, c=CA
	Joanne Alicia HAMMILL			Meanapproving this
				document
RECEIVED AND AGREED TO	O BY ASSIGNEE:			2020.03.18 14:35:39 -04'00'
Date:		В	V:	
1. 05.41			· · · · · · · · · · · · · · · · · · ·	
			Name: Gay Yuyitung Title: Executive Director, McMaster Industr	ry Liaison Office
MCMASTER UNIVERSITY				-

	PATENT ASSIGNMENT	<del></del>	Docket Number 55247-704.201	
WHEREAS, the undersigned:	,	***************************************	<u> </u>	
Jonathan Lorne BRAMSON     Oakville, Ontario (CA)	Christopher W. HELSEN Oakville, Ontario (CA)	Joanne Alicia HAMMIL Hamilton, Ontano (CA)	L 4 Kenneth Anthony MWAWASI Hamilton, Ontario (CA)	
(hereinafter "Inventor(s)"), have in	invented certain new and useful improvements	śn		
	T CELL-ANTIGEN COUPLER WITH		PTIMIZATIONS	
☐ for which applicati	ion serial number <u>16/442.274</u> was filed on <u>lun</u> e			
i.	ne term "Application(s)" also includes all paten			
WHEREAS, McMaste (hereinafter "Assignee"), is desiro embodiments of the inventions, he "Inventions"), and in and to any ar	a <u>University</u> , a university having a place of bus ous of acquiring the entire right, title and interest eretofore conceived, made or discovered, wheth and all patents, inventor's certificates and other tement, protocol, or treaty, including those files	siness at 175 Longwood Road S st in and to said Application(s), her jointly or severally, by said forms of protection thereon pra-	iouth. Suite 305. Hamilton, Ontario LSP 0A1 (CA), and the inventions disclosed therein, and in and to all Inventor(s) (hereinafter collectively referred to as noted in the United States, foreign countries, or under r the Protection of Industrial Property. The Patent	
NOW, THEREFORE, Assignee:	in consideration of good and valuable consider	ration acknowledged by said In	ventur(s) to have been received in full from said	
in and to said Applications, includ substitution, continuation, or conti- the foregoing; (c) in and to each ar application filed outside the United	ting the right to claim priority to and from said imustion-in-part of any of said Application(s); (and every reissue, reexamination, renewal or ext d States and corresponding to any of the foregous te for and to receive and recover for Assignee's	Application(s); (c) in and to ear d) in and to said Patent(s) and e tension of any kind of any of th sing and (g) in and to all claims	right, title and interest (a) in and to said Inventions; (b) ch and every application that is a divisional, each and every patent issuing or reissuing from any of e foregoing; (f) in and to each and every patent and s for past, present and future infringement of the future lost profits, royalties, and damages of whatever	
Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, sitle and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s), (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that reasonable expenses incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.				
3. The terms ar shall be binding upon said Inventor	nd covenants of this assignment shall inure to f r(s), their respective heirs, legal representatives	he benefit of said Assignee, its and assigns.	successors, assigns and other legal representatives, and	
Said Inventor understanding in conflict herewith.	ir(s) hereby warrant, represent and covenant the	at said inventor(s) have not ent	ered and will not enter into any assignment, contract, or	
5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, he issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.				
6. This instrument will be interpreted and construed in accordance with the laws of the State of California, without regard to conflict of law principles. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.				
IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:				
Date: Jonath	nan Lorne BRAMSON	Date:	Christopher W. HELSEN	
Date: MI 13 20 Joseph	MANAMELE DE LE LES LES LES LES LES LES LES LES LES	Date:	Cenneth Anthony MWAWASI	
RECEIVED AND AGREED TO BY AS	SSIGNEE:			
Date:		Ву:		
MCMASTER UNIVERSITY		Name: Gay Yuyitung Title: Executive Directo	r, McMaster Industry Liaison Office	

	DATENT ACCEPANTON		
	PATENT ASSIGNMENT		Docket Number 55247-794.201
WHEREAS, the undersigned:			
Jonathan Lorne BRAMSON     Oakville, Ontario (CA)	Christophus W. HELSEN     Oakville, Ontario (CA)	Joanne Alicia HAMMII.     Hamilton, Ontario (CA)	i. 4 Kenneth Anthony MWAWASI Hamilton, Ontario (CA)
(hereinafter "Inventor(s)"), have inv	ented certain new and useful improvements i	ń.	
	T CELL-ANTIGEN COUPLER WITH	VARIOUS CONSTRUCT O	PTIMIZATIONS
S for which application	n scrial number <u>16/442,274</u> was filed on <u>June</u>	14, 2019 in the United States )	Patent and Trademark Office;
(bereinafter, "Application(s)"). The	term "Application(s)" also includes all patent	spolications that share or claim	m priority to or from the above application(s).
ombodiments of the inventions, here "Inventions"), and in and to any and	on seconing as entire right, this and interest softer conceived, made or discovered, wheth all patents, inventor's conflicates and other for neal, protocol, or treaty, including those filed	t in and to said Application(s), or jointly or severally, by said come of protection thereon	couth, Suite 305, Hamilton, Ontario LSP DA1 (CA), and the inventions disclosed therein, and in and to all Inventor(s) (hereinafter collectively referred to as nited in the United States, foreign countries, or under r the Protection of Industrial Property, The Patent
NOW, THEREFORE, in Assignee:	consideration of good and valuable considera	ation acknowledged by and im	ventor(s) to have been received in full from said
substitution, continuation, or continu- the foregoing; (e) in and to each and application filed outside the United S	g see right or cann price by the antiform sant restriction in-part of any of said Application(s); (if every reissue, reexamination, renewal or extensions and corresponding to any of the foregoing for and to receive and recover for Assience's	rppocadoms), (c) in and to ear i) in and by said Patent(s) and e ension of any kind of any of the ing: and (a) in and to all alcling	right, title and interest (a) in and to said Inventions; (b) that every application that is a divisional, each and every application that is a divisional, each and every patent and to each and every patent and a for past, present and future infringement of the future lost profits, royaltos, and damages of whatever
Inventor(s) shall include prompt proc papers, and other assistance all to the conveyed; (h) for prosecuting any ap- covering said Inventions; (d) for fidial inventions; and (f) for legal proceedia and reexaminations, opposition proce-	fuction of pertinent facts and documents, giving the comments, giving the facts and documents, giving the facts of desirable by said plications covering said Inventions; (c) for filling and presecuting applications for reissuance figst involving said Inventions and any applications.	international convention, agree ing of testimenty, execution of a d Assignee (a) for perfecting in ling and prosecuting substitute, of any said Petent(s); (e) for in attems therefor and any Petent(s)	Assignee to enjoy to the fullest extent the right, title ament, protocol, or treaty. Such cooperation by said publicons, caths, specifications, declarations or other said Assignee the right, title and interest herein, the said Assignee the right, title and applications are said Assignee the right, title and applications are said to a supplication of the said title and title and the said tit
3. The terms and shall be binding upon said inventor(s	covenants of this assignment shall inune to th ), their respective heirs, legal representatives	e benelit of said Assignee, its : and assigns.	successors, assigns and other legal representatives, and
Said Inversor(s understanding in conflict berewith,	i) hereby warrant, represent and covenant this	t said Inventor(s) have not ento	ored and will not enter into any assignment, contract, or
S. Said Inventor(s agreement, protocol, or treaty, be insu representatives and assigns.	s) hereby request that any Patent(s) issuing in ted in the name of the Assigner, or its success	the United States, foreign coursers and assigns, for the sole us	niries, or under any international convention, se of said Assignee, its successors, legal
			of California, without regard to conflict of law smain effective and enforceable to the greatest extent of which together constitute one and the same
IN WITNESS WHEREOF	, said inventor(s) have executed and delivered	d this instrument to said Assign	nee as of the dates written below;
Date:	Lorne BRAMSON	Date:	hristopher W. HELSEN
Date:	dicia HAMMILL	Oate: <u>(4MAC 200</u> 0	ENDER ANTHONY MW AWAST
GECEIVED AND AGREED TO BY ASSIC	•	Λ,	
March 18,	2020	1 m	V) 5/

MCMASTER LINIVERSITY

Rame, Gay Yuyiting Cities Executive Director, McMaster Industry Linison Office