

INVENTION REPORT AND RECORD PRIVILEGED AND CONFIDENTIAL

Information herein is submitted for purposes of seeking legal advice concerning patentability, copyrightability, etc. Such information is subject to legal and other review and confirmation.

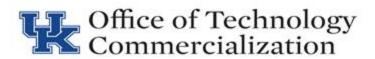
OFFICE OF THE GENERAL COUNSEL UNIVERSITY OF KENTUCKY

	OTC OFFICE USE ONLY				
	IR#:				
	Date Rec'd:	CM:			
	Invention review (Pick one):				
	NO REVIEW NECESSARY				
	REASON:				
STANDARD REVIEW: WITH VAC GRANT PENDING URGENT REVIEW (WITHIN 48 HOURS): WITH VAC GRANT PENDING REASON:					
	NO ASSESSMENT NEEDED				

SECTION I: REQUIRED INFORMATION

A. Potential Inventor(s): (inventorship subject to legal review)				
Full Name	Full Name			
Linkblue ID	Linkblue ID			
Position	Position			
Department(s)	Department(s)			
Center(s)	Center(s)			
University Address	University Address			
Telephone	Telephone			
UK Email	UK Email			
Permanent Address	Permanent Address			
City, State, Zip	City, State, Zip			
Full Name	Full Name			
Linkblue ID	Linkblue ID			
Position	Position			
Department(s)	Department(s)			
Center(s)	Center(s)			
University Address	University Address			
Telephone	Telephone			
UK Email	UK Email			
Permanent Address	Permanent Address			
City, State, Zip	City, State, Zip			

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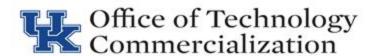


B. Title of the Invention: (should be brief and descriptive)

- If any disclosure of the invention is anticipated, please provide details in Section E -

REQUIRED INFORMATION (cont'd)

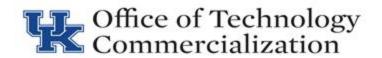
1 1: , 1	y as possible, what the		. ,
		e and preferred ranges of process parameters and concentration of che	
		lease also describe the commercial opportunity that this technology ad	iaresses,
		rial, such as publications, protocol, presentations, or images, may be	
ziuaea/attacnea wn	en the form is submitted.)		



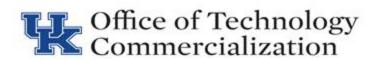
SECTION II: CRITICAL INFORMATION

Note: Please complete Sections D and E to ensure compliance with federal regulations.

D. Federal Grant/Contract or Subcontract Funding: (Include applicable center grants, e.g. MRSEC, NSEC)				
Was the invention conceived or first actually reduced to practice in the performance of work funded, in whole or in part, by any federal grant(s), contract(s) or subcontract(s)? If yes, list □Yes □No below.				
Will any federal sponsoring entity be acknowledged if information related to this invention is published or disseminated to the scientific community? If yes, list below.				
Grant/Contract Number(s):	Principal Investigator:	Administering Dept/Center:		
If any grants, contracts or subcontracts were awarded to an entity other than the University of Kentucky, please specify which entities.				
isclosure & Other Activities:				
Note: If the answer to any of the following questions is YES, please provide detailed information and attach any grants, abstracts, manuscripts, articles, presentations, etc. Please keep the OTC informed of any future submission or acceptance for publication or other possible public disclosure of any manuscripts, abstracts or oral presentations describing the invention.				
Has the invention been described in any publication(s) including abstracts?				
ation, journal or website	Date of	publication		
ibing the invention been subr	mitted for publication?	□Yes □No		
n accepted for publication?		□Yes □No		
ation, journal or website	Date of	publication		
invention appeared online in	ncluding conferences and	abstracts? □Yes □No		
If yes, please note the date(s) and details of the online disclosure:				
n describing the invention sub	mitted for review?	□Yes □No		
te the date(s) and details of t	the grant application:			
	ceived or first actually reduce part, by any federal grant (s), or fing entity be acknowledged red to the scientific community of the scientific community or subcontracts were awardeniversity of Kentucky, please spinsely of the following questions in anuscripts, articles, presentatione for publication or other position or other positions the invention. Indescribed in any publication attion, journal or website with the invention been subtracted for publication? The invention attion, journal or website the date (s) and details of the describing the invention subtracted for publications attion, journal or website the date (s) and details of the describing the invention subtracted for publications attion, journal or website the date (s) and details of the describing the invention subtracted for publications attinuately attached the date (s) and details of the describing the invention subtracted for publications attached the date (s) and details of the describing the invention subtracted for publications at the date (s) and details of the describing the invention subtracted for publications at the date (s) and details of the describing the invention subtracted for publications at the date (s) and details of the describing the invention subtracted for publications at the date (s) and details of the describing the invention subtracted for publications at the date (s) and details of the describing the invention subtracted for publications at the date (s) and details of the describing the invention subtracted for publications at the date (s) and details of the describing the invention subtracted for publications at the date (s) and details of the date (s) and de	ceived or first actually reduced to practice in the perform part, by any federal grant(s), contract(s) or subcontract(s) ring entity be acknowledged if information related to this red to the scientific community? If yes, list below. Grant/Contract Number(s): Principal Investigator: or subcontracts were awarded to an niversity of Kentucky, please specify which isclosure & Other Activities: ny of the following questions is YES, please provide detail an anuscripts, articles, presentations, etc. Please keep the conceptor of the invention. described in any publication(s) including abstracts? ation, journal or website Date of the invention been submitted for publication? In accepted for publication? ation, journal or website Date of the invention appeared online including conferences and the invent		

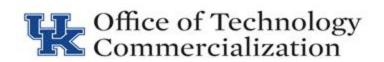


Was the invention disclosed publicly, such as in a poster session, presentation, or lecture?	□Yes □No
If yes, please note the date(s) and details of the poster session, presentation or lecture:	
Was the invention or any derivative product sold, offered for sale, or used in public?	□Yes □No
If yes, please note the date(s) and details of the derivative product:	
Were any materials (biological or otherwise), documents, information or software related to the	
invention provided or disclosed to any third party including academia, industry or government?	□Yes □No
If yes, was there a confidentiality agreement in place?	□Yes □No
If yes, please note the date and circumstances of the disclosure:	
Are any of the above disclosures or activities contemplated soon?	□Yes □No
If yes, please provide the details of any potential disclosures:	

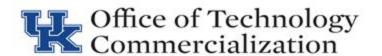


SECTION III: THIRD-PARTY OBLIGATIONS

F. Resources:					
Please list all UK administr			s the inventors' rese	earch activities hav	e been
University of Kentucky College/Dept/Institute	1	ent Inventor	Type of Sup financial, ir	pport (i.e. salary, sp	ace, other
				· ·	
Was the invention develop	ped with VA Fur	 nding?			□Yes □No
Do any inventors have a	VA appointme	nt?			■Yes ■No
G. Is the invention relatorm?	ated to any tr	nird-party agre	eements <u>not</u> ide	ntified elsewher	e on this
Materials obtained from o	third-party e.g	., under a Materio	al Transfer Agreem	ent (MTA)?	□Yes □No
Equipment from a third po	arty?				□Yes □No
Sponsored Research Agre	eements (SRAs)?	Ś			□Yes □No
Was the invention develo	, ,				□Yes □No
Other? (such as Consulting Agreements)					
If yes to any of the above, please provide details including agreement number and department:					
H. External Resources &	Funding:				
Was any part of the inver		d in a non-UK owr	ned facility?		□Yes □No
If yes to any of the above,			provided by anoth	her source not listed	d above (non-
federal grants, gifts, etc), p Award Source/Sponsor	Award #	PI	Date Funded	If awarded to an than EKU, please	
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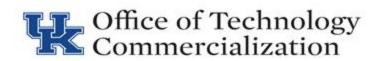


I. Inventor Affiliations:						
At the time of making an inventive contribution, were any potential inventors employees, officers, or students of an entity other than University of Kentucky?						
If yes, please provide	If yes, please provide details:					
At the time of the inventive of entity or department/center	concur	rently (i.e., sha	red salaries)?		Lifes Lino	
If yes, please specify which	h entity			•		
Inventor		Entities/de	partments/centers	Percent emplo	yed at each	
J. Other Contributors						
We realize this may be whole If yes, check all that Software Data/database						
Details, including o	If yes, please provide the following details about your selections above: Details, including origin: Website(s) and/or descriptions of the above materials:					
Author Full Instituti Name (if an y (at til individual) author			Current Institution/Compan y (if different)	Email	Phone	
This may include sou permissions, or licens	rce cod e agree	le, executable ments governi	of the above materials t s, screen shots, technic ing your use of third par email inventionreport@	al documentation ty code and mate	, manuals, erials. If the	
Were any Biological Materials (e.g. plasmids, vectors, genetically engineered animals) from						
an outside party with whom		C			☐ Yes ☐ No	
If Yes, please provide a copy of the relevant agreement(s) if available, i.e., MTA or Purchase agreements.						



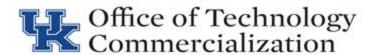
SECTION IV: CONCEPTION DETAILS

K. Fill in the following dates (if known):				
Conception (Month/Day/Year):				
First experiment demonstrating the invention (Month/Day/Year):				
L. Records Supporting Invention: Please identify records that establish dates of concept present location and the identity of the person who present locational supporting evidence. If the invention or a significant written records, briefly describe how the date of invent written record.	epared them. Attach copies, if possible. gnificant aspect of the invention is not su	Note pported by		
M. Is the invention related to a prior invention report please provide the information requested below.	ted to UK OTC or elsewhere? If yes,	□Yes □No		
Ownership (if not University of Kentucky):	IR# / Internal Ref # or Title:			
SECTION V: COMMERCIAL POTENTIAL	,			
N. Is research continuing on this invention at the Uni	versity of Kentucky?	□Yes □No		
If yes, please describe research plans:				
O. What critical commercial problem does this inven	tion solve?			
O. What Chical Commercial problem does this inven	tion solve:			
P. Does the invention have relevance to an existing of standard is a set of requirements for ensuring interoproductivity, efficiency, or safety of devices.				
If yes, which standard(s)?				
Q. Specify the closest technologies or references kno	own to you currently:			



R. How does the invention differ from the closest technologies or reference	es described above?			
S. What advantages does the invention provide?				
T. Other possible commercial applications for the invention include:				
7. Other possible commercial applications for the invention include.				
U. Which companies or investors are most likely to be interested in this inv	vention?			
If you can provide personal contacts at relevant companies, please list their name(s) and e below:				
UBMISSION ACKNOWLEDGEMENT – Please sign or type name below				
University of Kentucky Inventor(s): University of Kentucky requires who are its faculty, employees or students to sign or type their no	•			
I/We submit this Invention Report and Record Form pursuant to University of Kentucky Admin Property Disposition and Administrative Regulation, as amended (the "Policy"). I/We agree the University of Kentucky all my/our rights, title, and interest in any invention described here assistance as the University of Kentucky may reasonably request to obtain patents and developed invention, including signing such documents as may be required for this purpose. I/We under will adhere to the terms of the Policy, which can be found on the University of Kentucky Office website http://www.research.uky.edu/otc/, and will distribute any proceeds attributable to terms. I/We also understand that if the University of Kentucky decides not to seek protection rights in the invention specifically described herein and to the extent it is developed as of the Report and Record Form; provided, however, that I/we have met the obligations under the the invention and cooperation with the University. Any release of University of Kentucky's right to applicable restrictions or requirements imposed by the terms of any grant, contract or could university of Kentucky is a party, or by applicable law, rule, or regulation.	to assign, and do hereby assign, to in and agree to render such elop the commercial value of such rstand that the University of Kentucky are of Technology Commercialization's the invention according to those for the invention, it will release its a date of submission of this Invention Policy with respect to disclosure of this in such invention may be subject operative agreement to which the			
Signature or typed name of each potential inventor listed in Section A	Date			

(Please use additional copies of this page if more signatures are required)



Please return this form to the Office of Technology Commercialization at inventionreport@uky.edu

You may also view information relating to your Invention Reports, Patents and Patent Applications at: https://uky.wellspringsoftware.net/kms/ Instructions for accessing the OTC Inventor Portal:

- Recommended browsers: Firefox or Chrome
- Login with your LinkBlue user ID and university password. Note: OTC does not have access to your UNI/password details. If you have any trouble, contact <u>sabrina.darnell@uky.edu</u> or 859.218.6555.
- Information may be downloaded into an Excel spreadsheet