504980333 06/27/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5027079

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE

CONVEYING PARTY DATA

Name	Execution Date
ARIZONA STATE UNIVERSITY, TEMPE CAMPUS	05/26/2018

RECEIVING PARTY DATA

Name:	National Institutes of Health (NIH), U.S. Dept. of Health and Human Services (DHHS), U.S. Government
Street Address:	NIH Division of Extramural Inventions and Technology Resources (DEITR)
Internal Address:	6705 Rockledge Drive, Suite 310, MSC 7980
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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14850811	

CORRESPONDENCE DATA

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Total Attachments: 1 source=14850811#page1.tif

PATENT 504980333 REEL: 047248 FRAME: 0549

License to the United States Government

Temps, AZ 85287

Business Address

RECORDED: 06/27/2018

Sign and submit the executed document to the appropriate funding agency (e.g.	upload in iEdison).	
Invention Title: Genetically Modified Yersinia as Vaccines	Against Yersin	ia Species
Inventor(s): Roy Curtiss, Wei Sun		
U.S. Filing/Issue Date: 09/10/2015		
Patent or Application Serial No.: 14/850,811		
Grant/Contract Number(s): R21 AI095872		
Foreign Applications filed/intended in (countries):		
The invention identified above is a Subject Invention under 35 U.S.C. 20 at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) widentified grant or contract award from the United States Government	vhich are included a	among the terms of the above
 The nonexclusive, nontransferable, irrevocable, paid-up license to United States the invention described in any patent application continuations in part, and in any and all patents and re-issues grant All other rights acquired by the Government by reason of the above regulations that are applicable to the award. 	and in any and all ed thereon througho	divisions, continuations, and out the world; and
The Government is hereby granted an irrevocable power to inspect application.	and make copies o	of the above-identified patent
Signed this 26th day of May	20 18	4/4
_{By} Carlos Encinas		
Institutional Business Official	Signature	
Title Assistant Director, Research Operations	•••	
For ARIZONA STATE UNIVERSITY-TEMPE CAMPUS Grantee/Contractor Organi ation		
Al Office of Knowledge Enterprise Development Office f	or Research and	l Sponsored Projects

PATENT REEL: 047248 FRAME: 0550