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PATENT ASSIGNMENT

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CONVEYING PARTY DATA

Name	Execution Date
UNIVERSITY OF CALIFORNIA SAN DIEGO	10/16/2012

RECEIVING PARTY DATA

IIName:	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	
City:	Bethesda	
State/Country:	MARYLAND	
Postal Code:	20892-7980	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13649671

CORRESPONDENCE DATA

Fax Number: 3014800272

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Email: edison@nih.gov
Correspondent Name: Director, DEITR

Address Line 1: NIH, 6705 Rockledge Drive, Suite 310

Address Line 2: MSC 7980

Address Line 4: Bethesda, MARYLAND 20892-7980

NAME OF SUBMITTER: Director, DEITR, NIH

Total Attachments: 1

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PATENT REEL: 029171 FRAME: 0335

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Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison). Invention Title: Phosphonates with reduced toxicity for treatment of HCV, HIV-1 and other viral infections Inventor(s): Karl Y. Hostetler, James R Beadle, Nadejda Valiaeva U.S. Filing/Issue Date: 10/11/2012 Patent or Application Serial No.: 13/649,671 Grant/Contract Number(s): A1074057, A1071803, A1076558 Foreign Applications filed/intended in (countries): The invention identified above is a Subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights clause at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United State Government. This document is confirmatory of: 1. The nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention described in any patent application and in any and all divisions, continuations, and continuations in part, and in any and all patents and re-issues granted thereon throughout the world; and All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations that are applicable to the award. The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application. Signed this day of By William J. Decker (Institutional Business Official) Title Associate Director, Technology Transfer For UNIVERSITY OF CALIFORNIA SAN DIEGO (Grantee/Contractor Organization) At Technology Transfer Office 9500 Gilman Drive #0910 La Jolla, CA 92093 US (Business Address)

> PATENT REEL: 029171 FRAME: 0336