

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE
CONVEYING PARTY DATA	
Name	Execution Date
HARVARD UNIVERSITY	12/19/1983
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
City:	Bethesda
State/Country:	MARYLAND
Postal Code:	20892-7980
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	06489958
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NAME OF SUBMITTER:	Director, DEITR, NIH
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HARVARD UNIVERSITY  
COMMITTEE ON PATENTS AND COPYRIGHTS



LICENSE TO THE UNITED STATES GOVERNMENT

WHEREAS, John J. Mekalanos of Framingham, Massachusetts has invented "Non-toxinogenic Vibrio Cholerae Mutants" and filed a patent application thereon in the United States, bearing Serial No. 489,958, filing date April 29, 1983; and

WHEREAS the invention was made in the course of research supported by a grant from the Department of Health and Human Services; and

WHEREAS, the United States Government is entitled to certain rights in and to said invention and application by reason of the terms of said grant(s); and

WHEREAS, Harvard University, hereinafter called the "Licensor" has acquired by assignment from the inventor the entire right, title and interest of the inventor to such invention;

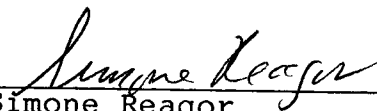
NOW, THEREFORE:

1. The Licensor, in consideration of the premises and other good and valuable consideration, hereby grants and conveys to the United States Government a royalty-free, non-exclusive and irrevocable license for governmental purposes and on behalf of any foreign government pursuant to any existing or future treaty or agreement with the United States under the aforesaid patent application, and any and all divisions or continuations, and in any and all patents or reissues which may be granted thereon during the full term or terms thereof. As used herein, "governmental purpose" means the right of the Government of the United States (including any agency thereof, state or domestic municipal government) to practice and have practiced (made or have made, used or have used, sold or have sold) throughout the world by or on behalf of the Government of the United States.
2. The Licensor covenants and warrants that he has the right to grant the foregoing license, and that any assignment of license which he may make of the invention or the said patent applications or patents thereon, shall expressly be made subject to this license.

3. The Licensor agrees that the Government shall not be estopped at any time to contest the enforceability, validity, scope of, or title to, any patent or patent application herein licensed.

President and Fellows of  
Harvard College

Date 12/19/83

  
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Simone Reagor  
Director of Research  
Administraton