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Attorney Docket Number: 00742/007002

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ng: Date of Deposit May 18, 1998

I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as **first class mail** with sufficient postage on the date indicated above and is addressed to BOX ASSIGNMENT, Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Mary Jane DiPalma
Printed Name

Signature

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

Commissioner of Patents & Trademarks: Please record the attached document.

1. Names of all conveying parties: John J. Mekalanos Additional names attached: NO	2. Names and addresses of all receiving parties: President and Fellows of Harvard College 17 Quincy Street Cambridge, MA Additional names/addresses attached: NO
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: _____ Execution Date: May 30, 1995	
4. Application numbers or patent numbers: A. Patent Application Numbers: 08/367,115	B. Patent Numbers: [**NUMBERS**]
5. Name and address of party to whom correspondence concerning document should be mailed: Kristina Bieker-Brady, Ph.D. Clark & Elbing LLP 176 Federal Street Boston, MA 02110	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR 3.41): 40.00 <input checked="" type="checkbox"/> Fee enclosed <input type="checkbox"/> Authorized to charge deposit account 8. Deposit account number: 03-2095. If the fee above is being charged to deposit account, a duplicate copy of this cover sheet is attached. Please apply any additional charges, or any credits, to Deposit Account No. 03-2095.

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9. Statement and signature: *To the best of my knowledge and belief, the foregoing information is true and correct and the attached is the original document.*

Kristina Bieker-Brady, Ph.D.
Name of person signing

Signature

Date

PATENT

REEL: 9200 FRAME: 0713

ASSIGNMENT

For valuable consideration, I, JOHN J. MEKALANOS, of Cambridge, MA hereby assign to PRESIDENT AND FELLOWS OF HARVARD COLLEGE, a Massachusetts corporation having a place of business at 17 Quincy Street, Cambridge, MA, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of a United States Patent Application, Serial No. 08/367,115, filed January 5, 1995, entitled DELETION MUTANTS AS VACCINES FOR CHOLERA this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for myself and my respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Boston,
this 30th day of May, 1995
JOHN J. MEKALANOS L.S.

STATE OF Massachusetts
COUNTY OF Suffolk :SS.

Before me this 30th day of May, 1995, personally appeared _____
JOHN J. MEKALANOS known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Kelly Bierley
Notary Public

My Commission Expires: 4/28/2000

[Notary's Seal Here]

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RECORDED: 05/21/1998

PATENT
REEL: 9200 FRAME: 0714