PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

		NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT				
CONVEYING PARTY DATA						
		Name	Execution Date			
Emory University			06/18/2004			
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	6705 Rockledge Drive, Suite 310, MSC 7980				
City:	Bethesda					
State/Country:	MARYLAND					
Postal Code: 20892-7980						
PROPERTY NUMBERS Total: 1						
Property Type		Number 20				
Property T	уре	Number	815			
Property T Application Number:		Number 018150	12018150			
	120					
Application Number:	120 E DATA	018150				
Application Number: CORRESPONDENCE Fax Number:	E DATA (877)769-75	018150	240 00			
Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will a</i> Phone:	E DATA (877)769-79 be sent via US Mai (617) 542-5	018150 045 <i>If when the fax attempt is unsuccessful.</i> 070				
Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will J</i> Phone: Email:	E DATA (877)769-79 <i>be sent via US Ma</i> (617) 542-5 meiklejohn(18150 145 <i>I when the fax attempt is unsuccessful.</i> 070 Dfr.com	240 00			
Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will J</i> Phone: Email: Correspondent Name	E DATA (877)769-79 <i>be sent via US Ma</i> (617) 542-5 meiklejohn(c: Anita L. Me	18150 145 <i>I when the fax attempt is unsuccessful.</i> 070 Dfr.com klejohn	240 00			
Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will J</i> Phone: Email:	E DATA (877)769-79 <i>be sent via US Ma</i> (617) 542-5 meiklejohn(c: Anita L. Me	18150 45 <i>I when the fax attempt is unsuccessful.</i> 070 Dfr.com klejohn HARDSON P.C.	240 00			
Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will J</i> Phone: Email: Correspondent Name Address Line 1:	E DATA (877)769-79 be sent via US Ma (617) 542-5 meiklejohn(s: Anita L. Me FISH & RIC P.O.BOX 10	18150 45 <i>I when the fax attempt is unsuccessful.</i> 070 Dfr.com klejohn HARDSON P.C.	240 00			
Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will J</i> Phone: Email: Correspondent Name Address Line 1: Address Line 2:	E DATA (877)769-79 be sent via US Ma (617) 542-5 meiklejohn(e: Anita L. Me FISH & RIC P.O.BOX 10 MINNEAPC	18150 45 <i>I when the fax attempt is unsuccessful.</i> 070 Øfr.com klejohn HARDSON P.C.	240 00			
Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will I</i> Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4:	E DATA (877)769-79 be sent via US Ma (617) 542-5 meiklejohn(: Anita L. Me FISH & RIC P.O.BOX 10 MINNEAPC	18150 45 <i>I when the fax attempt is unsuccessful.</i> 070 Øfr.com klejohn HARDSON P.C. 022 LIS, MINNESOTA 55440-1022	240 00			
Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will</i> Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET	E DATA (877)769-79 be sent via US Mar (617) 542-5 meiklejohn(5: Anita L. Me FISH & RIC P.O.BOX 10 MINNEAPC	145 <i>I when the fax attempt is unsuccessful.</i> 070 0fr.com klejohn HARDSON P.C. 122 LIS, MINNESOTA 55440-1022	240 00			

License to the United States Government

Sign and Fax this to (301) 480-0272

Invention Title: MVA Expressing Modified HIV Envelope, gag, and pol genes

Inventor(s): Harriet L Robinson, Patricia Earl, Lynda Wyatt, Bernie Moss

U.S. Filing/issue Date: 8/22/2003

Patent or Application Serial No.: 10/646, 628

Grant/Contract Number(s): AI49364

Foreign Applications filed/intended in (countries): Japan, India, China, Canada, Australia

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
- 2. 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	<u>/8 th</u>	ay of _	Jue	, 20 <u>04</u>		
Ву	(Name of Grantee/Contractor	Official		Ungland (Signation	ure)	
Title	y1. Consect, P.C., (C.M. C.). start Vice President and Chief politication:	PQ1.	Mary L. Sevenson, Ph.1 <u>Amistant Vice Presider</u> Technology Officer)., JD Lund Chinf		
For EMORY UNIVERSITY (Grantee/Contractor Organization)						
	•					
At 1784 B	orth Decatur Road, Suit	e 130	Emory Universi	ty Atlanta, GI	30322	
	(Business Address)					

RECORDED: 06/28/2011