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FORM PTO-1619B Expires 06/30/99 OMB 0651-0027	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Correspondent Name and Address	Area Code and Telephone Number	202-586-2802
Name Brenda K. Baoks		
Address (line 1) U. S. Department of Energy		
Address (line 2) 1000 Independence Avenue, S.W.		
Address (line 3) Washington, D. C. 20585-0162		
Address (line 4)		
Pages Enter the total number of page including any attachments.	ges of the attached conveyance docum	*
Application Number(s) or Patent Num Enter either the Patent Application Number or the F		additional numbers attached
Patent Application Number(s) 10/431,596 10/431,596 If this document is being filed together with a new Patewas Patent Cooperation Treaty (PCT) Enter PCT application number only if a U.S. Application Number has not been assigned.	Pater	nt Number(s)
	Authorization to charge additional fees:	\$ 0.00 # Yes No
Statement and Signature To the best of my knowledge and b attached copy is a true copy of the indicated herein. Brenda K. Banks Name of Person Signing	pelief, the foregoing information is true original document. Charges to depos MMM K.MM, Signature	and correct and any ait account are authorized, as by by by Date

PATENT REEL: 014735 FRAME: 0457

10/4/31, 596

Rev. 07/7/03

DOE Docket No. S-102,328

CONFIRMATORY LICENSE

Application for	;	POLYVALENT IMMUNOGEN
	:	1. Barton Haynes, Duke University
• •		Bette T. Korber, Los Alamos National Laboratory
		3. Robert M. De Lorimeier, Duke University
		4. Hua Xin Liao, Duke University
Serial No.	•	10/431,596
Filing Date	-	5/8/2003
U.S. Patent	:	
Issue Date	:	
Contract No.	:	W-7405-ENG-36
Contractor	:	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

The invention identified above is a "Subject Invention" under the above-numbered contract. A copy of the provisions of the above-numbered contract effective October 1, 1997, governing patent rights in the Subject Invention at the time the invention was made, has been submitted to the U.S. Department of Energy.

The contractor hereby confirms that under the provisions of the above-numbered contract governing patent rights, it has granted to the Government a nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the Subject Invention throughout the world. This license applies to the invention in the above-identified patent application and any and all divisions or continuations thereof and any resulting patent or reissue patent which may be granted thereon.

It is understood and agreed that this document does not preclude the Government from asserting rights under the provisions of said contract or any other agreement between the Government and the Contractor, or any other rights of the Government with respect to the above-identified invention.

The Contract hereby grants the Government an irrevocable power to inspect and make copies of the above-identified application.

Signed May 7, 2004

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

Ray G. Wilson, Office Leader Laboratory Counsel/ Intellectual Property

RECORDED: 06/16/2004