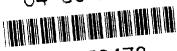
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Title: Novel Agents For Replacement of

NAD+NADH System in Enzymatic

Reactions

Inventor(s): Richard H. Fish et al. Contractor Docket No.: IB-1618

Contract Number: DE-AC03-76SF00098 Contractor: Regents of the University of

RECORDED: 04/17/2002

California

DOE Docket No.: S-95,270

U.S. Patent Application: S.N.: 09/805,726

Filing Date: March 12, 2001

Foreign patent applications filed or intended to be filed at contractor's expense in (countries):

The Contractor certifies that a true copy of the provisions which govern patent rights in "subject inventions" under the above-identified contract is herewith submitted or has been submitted to the U.S. Department of Energy by certification dated April 2, 1999 .

WHEREAS, the above-identified contract provides the Contractor with the right to elect to retain title in certain inventions and the Contractor has reported the above-identified invention as a subject invention under the contract, has elected to retain title therein, and has agreed to file a domestic patent application thereon, if not previously filed.

ACCORDINGLY, the Contractor hereby confirms that under the provisions of the above-identified 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 above-identified invention, the above-identified patent application(s), and any and all divisions or continuations thereof and any resulting patent or reissue patent which may be granted thereon.

The Government reserves for itself, and is hereby granted by the Contractor, the irrevocable power to inspect and make copies of the file wrapper(s) of the above-identified U.S. patent application and of any related or continuation patent application(s), whether domestic or foreign, for the above-identified invention.

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Signed on behalf of: University of California, Lawre	ence Berkeley National Laboratory	
	Contractor)	
Witness: Mawn Sun Reineman By	: Den //lelia	1.1408
(Signature)	(Contractor Official's Signature)	(Date)
Sharon Kay Reineman, Patent Asst.	David J. Aston, Manager	
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