FORM PTO-1619A Expires 06/30/99	10-01-2		Ţ		S. Department of Commerce		
OMB 0651-0027				Pa			
	102563	3496					
RECORDATION FORM COVER SHEET PATENTS ONLY							
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Conveying Party(ies)		<u>_</u>					
Name (line 1) Southwest Research I					es attached _{Execution Date} Month Day Year 8/6/03		
Name (line 2)			· · · ·	····			
Second Party Name (line 1)					Execution Date Month Day Year		
Name (line 2)							
Receiving Party		Ma	rk if additiona	I names of r	receiving parties attached		
Name (line 1) United States Departm	nent of Energy				if document to be recorded is an assignment and the receiving party is not		
Name (line 2)					domiciled in the United States, an appointment of a domestic		
Address (line 1) 1000 Independence Av	/enue				representative is attached. (Designation must be a separate document from		
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Commissioner o	of Patents and Trademark	s, box Assign	ments, wash	ington, D. DA	C. 20231 TENT		

PATENT REEL: 014532 FRAME: 0326

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 Numbe	er 630-252-2042
Name Robert J. Fisher		
Address (line 1) U.S. Department of Energy		
Address (line 2) Intellecual Property Law Division		
Address (line 3) 9800 S. Cass Ave		
Address (line 4) Argonne, IL 60439		
Pages Enter the total number of page including any attachments.	es of the attached conveyance docu	ıment # 01
Application Number(s) or Patent Num		k if additional numbers attached
Enter either the Patent Application Number or the P Patent Application Number(s)		ers for the same property). tent Number(s)
	6,062,178 6,062,178 1	Image: Month Day Year Inication Month Day Year Image: PCT PCT PCT
Method of Payment: Enclos	for Properties Listed (37 CFR 3.41): sed Deposit Account	\$0.00
	eposit Account Number:	#
	uthorization to charge additional fees:	Yes No
Statement and Signature To the best of my knowledge and beli attached copy is a true copy of the or indicated herein. Brain J. Lally	ief, the foregoing information is true iginal document. Charges to depos	e and correct and any sit account are authorized, as $9-23-03$
Name of Person Signing	Signature	Date

PATENT REEL: 014532 FRAME: 0327

	CONFIRMATORY LICENSE (Nonprofit Organizations or Small Business Firms)				
Title	:	Method of Operating Uni-Flow Two-Cycle Engine During Reduced Load Conditions			
Inventor(s)	:	David P. Meyers, John C. Hedrick, Gary D. Bourn, John T. Kubesh, Kevin D. Beaty, Robert W. Burrahm			
Patent No.	:	6,062,178	Issued Date: May 16, 2000		
Serial No.	:	09/082,282	Filing Date (US): May 20, 1998		
Contractor	:	Southwest Research Institute			
DOE Contract No.	:	DE-FG36-93CH10582			
DOE Case No.	:	unknown S-103,241			
Patent Rights Clause No.: FAR 52.227-11					

Foreign Applications filed in or intended to be filed at Contractor's expense in (countries): None

The Contractor, having the right to retain title to Subject Inventions as a result of Public Law 96-517, has reported the above-identified invention as a Subject Invention to DOE with its election to retain title thereto.

Accordingly, this document is confirmatory of the nonexclusive, nontransferable, irrevocable, paid-up license to practice or to have practiced for or on behalf of the United States, required by the Public Law and the above-identified contract, in this Subject Invention, patent application and any resulting patent, as well as any continuation, divisional, reissue, supplemental or continuation-in-part thereof, throughout the world and of all other rights acquired by the Government by the above-identified patent rights clause, a copy of which is attached hereto and incorporated by reference herein. The undersigned certifies that this license does not preclude the Government from asserting rights under the provisions of said contract or of any other agreement between the Government and the Contractor, or from asserting any other rights of the Government with respect to the above-identified Subject Invention.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent.

Signed this <u>64</u> day of <u>August</u> 2003.

Southwest Research Institute

(SEAL)

n W. McLeod General Counsel 6220 Culebra Road San Antonio, TX 78238-5166

. •		CONFIRMATO (Nonprofit Organizations or		
Title	:	Method of Operating Uni-Flow Two-Cycle Engine During Reduced Load Conditions		
Inventor(s)	:	David P. Meyers, John C. Hedrick, Gary D. Bourn, John T. Kubesh, Kevin D. Beaty, Robert W. Burrahm		
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Contractor	:	Southwest Research Institute	2	
DOE Contract No	D. :	DE-FG36-93CH10582		
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The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent.

Signed this <u>6</u>^{H1} day of <u>Augus</u>

Southwest Research Institute

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RECORDED: 09/29/2003