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orrespondent Name and Addr	'ess Area Code and Telephone Number	202-586-2810
Name Betty A. Winchester		
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	the total number of properties involved.	# 1
Fee Amount Fee	Amount for Properties Listed (37 CFR 3.41): \$40.00
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(Enter for payment by deposit acco	ount or if additional fees can be charged to the account. Deposit Account Number:	#01-2752
	Authorization to charge additional fees	S: Yes V No
Statement and Signature		
To the best of my knowled attached copy is a true co	ige and belief, the foregoing information is to py of the original document. Charges to dep	rue and correct and any posit account are authorized, as
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Katherine Baldwin		Date
	Signature	

PATENT REEL: 014102 FRAME: 0844

U.S. DEPARTMENT OF ENERGY PATENT ASSIGNMENT FORM

Boeing hereby acknowledges that the invention claimed in U.S. Patent 6,089,444 is a subject invention under contract AC-3013 awarded to Boeing (then McDonnell Douglas Corporation) by Sandia National Laboratories in connection with the International Thermonuclear Experimental Reactor (ITER) Agreement signed July 21, 1992. Contract AC-3013 is subject to the ITER Agreement. Contract AC-3013 incorporates the Patent Rights clause that was contained at 41 CFR 9-9.107-5(a) at the time of the invention, a copy of which is attached hereto. As a subject invention, Boeing acknowledges that it is subject to the obligations attaching to a subject invention as set forth in the Patent Rights clause.

Boeing warrants that it has been assigned the entire right, title and interest in and to U.S. Patent 6,089,444 and that is has the authority to transfer its entire right, title and interest to the U.S. Department of Energy as provided for under 41 CFR 9-9. 1 07-5(a)(1). Both parties agree that the U.S. Department of Energy has the sole right to determine inventorship.

Boeing hereby assigns its entire right, title and interest throughout the world in and to the subject invention and in and to U.S. Patent 6,089,444 to the U.S. Department of Energy, an executive agency of the Government of the United States of America.

Subject to the provisions of the ITER Agreement and Boeing's subcontract, Boeing hereby reserves a revocable, nonexclusive, paid-up license in U.S. Patent 6,089,444 and in an resulting patents in which the Government acquires title in any country. The license extends to Boeing's domestic subsidiaries and affiliates, if any, within the corporate structure of which Boeing is a part and shall include the right to grant sublicenses of the same scope to the extent Boeing was legally obligated to do so at the time the AC-3013 contract was awarded. The license shall be transferable only with the approval of the Department of Energy except when transferred to the successor of that part of Boeing's business to which the invention pertains.

Authorized on behalf of The Boeing Company:

Assistant Secretary

Accepted for the Benefit of the Government of the United States:

UNITED STATES DEPARTMENT OF ENERGY

Bv

Assistant General Counsel for Technology

Transfer and Intellectual Property

PATENT

REEL: 014102 FRAME: 0845

ATTEST:

RECORDED: 11/05/2003