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Address (line 1) United States Department of Energy Address (line 2) GC-62, MS 6F-067 (FORSTL) Address (line 3) 1000 Independence Arenue, S.W. Address (line 4) Washington, D.C. 20585-0162 Pages Enter the total number of pages of the attached conveyance document including any attachments. # 2 Application Number(s) or Patent Number(S) Mark if additional numbers attached Enter other the Patent Application Number of the Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Application Number of the Patent Application, enter the date the patent application was gined by the first named executing inventor. Patent Cooperation Treaty (PCT) PCT PCT Patent PCT application number of properties involved. # 1 Fee Amount Fee Amount for Properties PcT PCT Number of Properties Enter the total number of properties involved. # 1 Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00 Method of Payment: Enclosed Deposit Account Ø Deposit Account # 01-2752 Authorization to charge additional fees: Yes V in C Statement and Signature To the best of my knowledg	Correspondent Name and Address	Area Code and Telephone Number	202-586-2810
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This document is being filed togener with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Patent Cooperation Treaty (PCT) PCT PCT PCT PCT Enter PCT application number PCT PCT PCT PCT has not been assigned. Number of Properties Enter the total number of properties involved. # 1 Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00 Method of Payment: Enclosed Deposit Account ✓ Deposit Account ✓ 01-2752 Authorization to charge additional fees: Yes ✓ No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. UUL - 2 200i Betty A. Winchester Wathat Application and Sugnature UUL - 2 200i			
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Enter PCT application number PCT PCT only if a U.S. Application Number PCT PCT has not been assigned. PCT PCT Number of Properties Enter the total number of properties involved. # 1 Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00 Method of Payment: Enclosed Deposit Account ✓ Deposit Account ✓ Deposit Account ✓ (Enter for payment by deposit account or if additional fees can be charged to the account.) Deposit Account ✓ Deposit Account ✓ 01-2752 Authorization to charge additional fees: Yes ✓ No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. JUL - 2 2001 Betty A. Winchester Wathacture JUL - 2 2001	Patent Cooperation Treaty (PCT)		
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Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.) Deposit Account Number: # 01-2752 Authorization to charge additional fees: Yes Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Betty A. Winchester JUL - 2 2001	Fee Amount Fee Amou	nt for Properties Listed (37 CFR 3.41): \$	40.00
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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.		Authorization to charge additional fees:	Yes 🚺 No 📃
attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.	Statement and Signature		
Name of Person Signing Signature Date	attached copy is a true copy of the indicated herein. Betty A. Winchester		account are authorized, as JUL - 2 2001
	Name of Person Signing	⊖ Signature	Date

PATENT REEL: 011968 FRAME: 0686 1

DOE Case S-95,927

U. S. DEPARTMENT OF ENERGY PATENT ASSIGNMENT FORM

WHEREAS, we, <u>Dieter A. Knecht</u> and <u>Troy J. Tranter</u>, Citizens of the United States of America, residing in (city, state or country):

Idaho Falls, Idaho Idaho Falls, Idaho respectively, have invented certain new and useful improvements in OPEN-CELL GLASS CRYSTALLINE POROUS MATERIAL, for which we are about to file an application for United States Letters Patent identified as <u>S-95,927</u>, executed by us on

November 14 2000 ____, and November 14 2000 _____, respectively, and;

WHEREAS, the Government of the United States of America desires to acquire the entire right, title and interest in and to said invention and in and to any Letters Patents wherever they may be issued thereon;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar to us in hand paid by the Government of the United States, and for other good and valuable consideration, the receipt of which is hereby acknowledged, we by these presents do sell, assign, and transfer unto the said Government of the United States, as represented by the United States Department of Energy, the entire right, title, and interest in and to the said invention and in and to any and all Letters Patents wherever they may be granted thereon as well as reissues and extensions of said Letters Patent, the same to be held and enjoyed by the said Government of the United States or its assigns to the full end of the term or terms for which Letters Patents are or may be granted, reissued, or extended, as fully and entirely as the same would have been held or enjoyed by us had this assignment not been made.

We agree to make, execute, and deliver unto the Government of the United States, as represented by the United States Department of Energy, any and all papers, documents, affidavits, renewal, divisional and reissue applications, statements, or other instruments in such usual or other forms, with terms and contents as may be required

PATENT REEL: 011968 FRAME: 0687

by the United States Department of Energy, or its duly authorized representative, in or incident to the prosecution or conduct of any and all applications, before as well as after, the issuance of any Letters Patent thereon, or in the adjustment or settlement of any interferences or other actions or proceedings that said applications may encounter or in which they may become involved, and we agree that we will aid the Government of the United States in every way in protecting the invention as may be requested by the United States Department of Energy, except that any expenses arising through extending such assistance will be paid for by proper arrangement with the Government of the United States.

WITNESS: 14-NOU-00

WITNESS: 14-100-00

INVENTORS: 4 November 2000

Dieter A. Knecht

4 November 2000 ranter

APPROVED and consented to this $15^{\frac{7}{3}}$ day of November, 2000.

WITNESS:

Tricia Setchofer

BECHTEL BWXT IDAHO_LLC Name: Mark D. Disen Title: Managing Course / Assistant Secretary

Bechtel BWXT, Idaho, LLC

ACCEPTED for the benefit of the Government of the United States of America.

WITNESS:

UNITED STATES DEPARTMENT OF ENERGY

Paul A. Gottlieb V Assistant General Counsel for Technology Transfer and Intellectual Property

> PATENT REEL: 011968 FRAME: 0688

2

Betty A. Winchester
Office of the Assistant General Counsel for Technology Transfer and Intellectual Property
U.S. Department of Energy
GC-62 (FORSTL) MS 6F-067
1000 Independence Avenue, S.W.
Washington, D. C. 20585

Betty A. Winchester
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U.S. Department of Energy
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1000 Independence Avenue, S.W.
Washington, D. C. 20585

RECORDED: 07/02/2001

PATENT

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