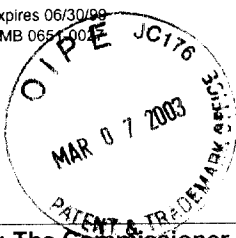


03-12-2003

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

S-70,114

102387562  
RECORDATION FORM COVER SHEET  
PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

## Submission Type

3-7-03

☒ New☐ Resubmission (Non-Recordation)

Document ID#

☐ Correction of PTO Error

Reel #

Frame #

☐ Corrective Document

Reel #

Frame #

## Conveyance Type

☒ Assignment☐ Security Agreement☐ License☐ Change of Name☐ Merger☐ Other

U.S. Government

(For Use ONLY by U.S. Government Agencies)

☒ Departmental File☐ Secret File

## Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Name (line 1) KRONBERG, James W.

Execution Date  
Month Day Year  
2/17/1998

Name (line 2)

## Second Party

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

## Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) U. S. Department of Energy

Name (line 2)

Address (line 1) 1000 Independence Avenue, S.W.

Address (line 2)

Address (line 3) Washington

D.C.

20585-0162

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

## Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

03/11/2003 ECOOPER 00000244 012752 07643317

FOR OFFICE USE ONLY

01 FD:0021

40.00 CH

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB

Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

REEL: 013822 FRAME: 0210

Correspondent Name and Address

Area Code and Telephone Number

202-586-2810

Name Betty A. Winchester

Address (line 1) MS 6F-067 (FORSTL), GC-62

Address (line 2) United States Department of Energy

Address (line 3) 1000 Independence Avenue, 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.

# 1

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

07/643317

If this document is being filed together with a new Patent Application, enter the date the patent application was

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT PCT PCT  
PCT 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

(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



No

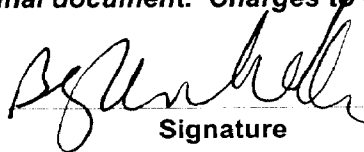


Statement and Signature

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.

Betty A. Winchester

Name of Person Signing



Signature

MAR - 7 2000

Date

(9-79)

07/643,317

## U.S. DEPARTMENT OF ENERGY PATENT ASSIGNMENT FORM

WHEREAS, I, James W. Kronberg, a citizen of the United States  
residing in Aiken, County of Aiken, State  
of South Carolina, have invented certain new and useful improvements in  
Solid State Jumper Cables for  
which was filed an application for United States Letters Patent identified as Serial No. 07/643,317  
, and filed by me on 1/22/91; and;

WHEREAS, the Government of the United States desires to acquire the entire right, title, and interest in and to the said invention and in and to any Letters Patent 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 me in hand paid by the Government of the United States, and for other good and valuable consideration, the receipt of which is hereby acknowledged, I 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, and/or its assigns, the entire right, title, and interest in and to the said invention and in and to any and all Letters Patent 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 to the full end of the term or terms for which Letters Patent are or may be granted, reissued, or extended, as fully and entirely as the same would have been held or enjoyed by me had this assignment not be made.

I agree to make, execute, and deliver unto the Government of the United States, or to 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, terms, and contents as may be required 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 I agree that I 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 or its assigns, except that any expenses arising through extending such assistance will be paid for by proper arrangement with the Government of the United States.

WITNESS:

Walter S. Edwards

INVENTOR:

James W. Kronberg (SEAL)

Date:

17 February 1998

Approved and consented to this 3rd day of March 1998

Victor A. Franklin

ATTEST:

(SEAL)

By VICTOR A. FRANKLIN  
Its GENERAL COUNSEL

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

WITNESS:

Victor A. Franklin

UNITED STATES DEPARTMENT OF ENERGY

By

Victor A. Franklin  
Assistant General Counsel for Patents

PATENT

RECORDED: 03/07/2003

REEL: 013822 FRAME: 0212