



06-17-2003



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U.S. Department of Commerce  
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PATENT

S-100,141

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Execution Date  
Month Day Year  
3/5/2003

Name (line 1) GERALD, Rex E., II

Name (line 2)

### Second Party

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3/6/2003

Name (line 1) SANCHEZ, Jiaro

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

Address (line 2)

Address (line 3) Washington

D.C.

20585-0162

City

State/Country

Zip Code

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06/16/2003 TDI021 00000140 012752 10387402

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PATENT

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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**

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Address (line 4) **Washington, D. C. 20585-0162**

**Pages**

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# **2**

**Application Number(s) or Patent Number(s)**

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Patent Application Number(s)

Patent Number(s)

10/387402

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.

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**Betty A. Winchester**

Name of Person Signing



Signature

**JUN 12 2003**

Date

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CONTINUATION  
PATENTS ONLY

U.S. Department of Commerce  
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PATENT

Conveying Party(ies)

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Name (line 1) RATHKE, Jerome W.

Execution Date  
Month Day Year  
02/26/2003

Name (line 2)

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

Name (line 1)

Execution Date  
Month Day Year

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State/Country

Zip Code

Application Number(s) or Patent Number(s)

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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)

10/387402

## U.S. Department of Energy

10/387,402

## PATENT ASSIGNMENT FORM

WHEREAS, we, Rex E. Gerald II, Jiaro Sanchez and Jerome W. Rathke  
citizens of the United States residing  
in Brookfield, County of Cook, State of Illinois;  
in CHICAGO, County of COOK, State of ILLINOIS;  
in Homewood, County of Will, State of Illinois;  
have invented certain new and useful improvements in VIDEO TOROID CAVITY  
IMAGER, for which we are about to file an application for United States  
Letters Patent, identified as S-100,141 and executed by us on the 5 day  
of March 2003; and on the 6 day of MARCH 2003;  
and on the 26 day of February 2003;

WHEREAS, the Government of the United States desires to acquire the entire  
right, title, and interest in and to 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 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, 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 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, 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 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 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 inventions 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:

Sandra A. Classen  
(SEAL)

INVENTORS:

Alex E. Zemanos

Date 3-5-03

WITNESS:

Alex E. Zemanos  
(SEAL)

INVENTORS:

[Signature]

Date 3-6-03

WITNESS:

Sandra A. Classen  
(SEAL)

INVENTORS:

James W. Balder

Date 2-26-03

Approved and consented to this 11th day of March, 2003

ATTEST: Laura Cuddy  
(SEAL)

[Signature]

By Renee K. Carder, Ph.D.  
Assistant Vice President for Program  
Development, Office of the Vice  
President for Research

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

UNITED STATES DEPARTMENT OF ENERGY

WITNESS:

Kathie Balder

By [Signature]  
Assistant General Counsel for Patents