

PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Viktor Koldiaev, Jeff Babock and George Cheroff
Additional name(s) of conveying party(ies) attached? [] Yes [X] No

2. Name and address of receiving party(ies)
Name: PDF Solutions, Inc.
Internal Address:
Street Address: 333 West San Carlos Street, Suite 700
City: San Jose State: California Zip: 95110-2711
Additional name(s) & address(es) attached? [] Yes [X] No

3. Nature of conveyance:
[X] Assignment [] Merger
[] Security Agreement [] Change of Name
[] Other
Execution Date: May 21, 2004 and June 28, 2004

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is:
A. Patent Application No.(s) 10/847538
B. Patent No.(s)

Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Tyson Y. Winarski
Internal Address: Steptoe & Johnson LLP
Street Address: 201 East Washington Street, Suite 1600
City: Phoenix State: Arizona Zip: 85004

6. Total number of applications and patents involved: [1]
7. Total Fee (37 CFR 3.41)\$40.00
[] Enclosed
[X] Authorized to be charged to deposit account
8. Deposit account number:
502365

DO NOT USE THIS SPACE

9. Signature.
Tyson Y. Winarski
Name of Person Signing
Signature
August 9, 2004
Date
Total number of pages including cover sheet, attachments, and documents: [8]

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

CH \$40.00 502365 10847538

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I **JEFF BABCOCK, currently residing at** _____

_____, have ~~also~~ assigned and transferred, and do hereby ~~also~~ assign and transfer, unto **PDF Solutions, Inc.**, having its principal office 333 West San Carlos Street, Suite 700, San Jose, CA 95110, United States of America, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions relating to improvements in **Implantation of Deuterium in MOS and DRAM Devices (88103.0002)**, described, illustrated and claimed in an application for Letters Patent of the United States of America executed by us on the dates indicated by our signatures below, together with ^{our} the entire right, title and interest in and to the application, and in and to Letters Patent which may be issued upon the application, and upon any division, extension, continuation or reissue thereof.

We hereby also ~~also~~, assign and transfer unto **PDF SOLUTIONS, INC.**, ^{our} the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and we further authorize **PDF SOLUTIONS, INC.** to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

We hereby authorize and request the Commissioner of Patents of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation or reissue, to **PDF SOLUTIONS, INC.**, for the sole use and benefit of **PDF SOLUTIONS, INC.**, its successors, assigns and legal representatives, to the full end of the term for which Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and we hereby authorize and request the equivalent authorities in foreign countries to issue the patents of their respective countries to **PDF SOLUTIONS, INC.**.

We agree that, when requested, we will, without charge to **PDF SOLUTIONS, INC.**, but at its expense, ~~sign~~ all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the inventions in any and all countries and for vesting title thereto in **PDF SOLUTIONS, INC.**, its successors, assigns and legal representatives or nominees.

~~I, the grantor with PPT SOLUTIONS, INC., its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignments, grant, mortgage, license or other encumbrance.~~

[Signature]
DATE: June 28, 2004
JEFF BABCOCK

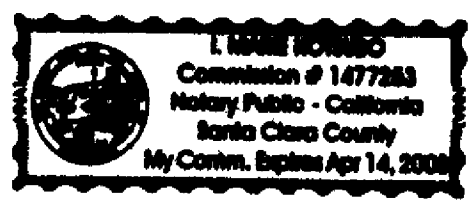
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that **JEFF BABCOCK** whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 28 day of June, 2004.

My commission expires:

[Signature]
Notary Public Signature

I. MARIE KOTSUBO
Printed Name of Notary Public



ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we **VIKTOR KOLDIAEV, of San Jose, California, and GEORGE CHEROFF, of Oakland, California** have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **PDF Solutions, Inc.**, having its principal office 333 West San Carlos Street, Suite 700, San Jose, CA 95110, United States of America, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions relating to improvements in **Implantation of Deuterium in MOS and DRAM Devices (88103.0002)**, described, illustrated and claimed in an application for Letters Patent of the United States of America executed by us on the dates indicated by our signatures below, together with the entire right, title and interest in and to the application, and in and to Letters Patent which may be issued upon the application, and upon any division, extension, continuation or reissue thereof.

We hereby also sell, assign and transfer unto **PDF SOLUTIONS, INC.**, the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and we further authorize **PDF SOLUTIONS, INC.** to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

We hereby authorize and request the Commissioner of Patents of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation or reissue, to **PDF SOLUTIONS, INC.**, for the sole use and benefit of **PDF SOLUTIONS, INC.**, its successors, assigns and legal representatives, to the full end of the term for which Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and we hereby authorize and request the equivalent authorities in foreign countries to issue the patents of their respective countries to **PDF SOLUTIONS, INC.**

We agree that, when requested, we will, without charge to **PDF SOLUTIONS, INC.**, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the inventions in any and all countries and for vesting title thereto in **PDF SOLUTIONS, INC.**, its successors, assigns and legal representatives or nominees.

We covenant with **PDF SOLUTIONS, INC.**, its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

V. Koldiaev
VIKTOR KOLDIAEV

DATE: May 21/2004

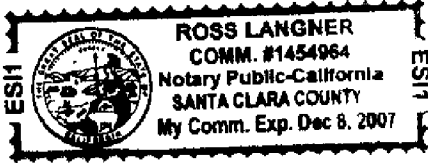
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that **VIKTOR KOLDIAEV** whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 21st day of May, 2004.

My commission expires:

Ross Langner
Notary Public Signature

Ross Langner
Printed Name of Notary Public



George Cheroff
GEORGE CHEROFF

DATE: 5/21/04

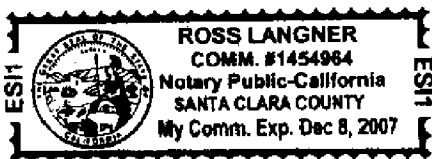
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that **GEORGE CHEROFF** whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 21st day of May, 2004.

My commission expires:

Ross Langner
Notary Public Signature

Ross Langner
Printed Name of Notary Public



CALIFORNIA ALL-PURPOSE ACKNOWLEDGEMENT

State of California

County of Santa Clara

On May 21, 2004 before me, Ross Langner
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared George Chasoff
Name(s) of Signer(s)

personally known to me -OR- proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Ross Langner
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Assignment and Agreement for a Patent

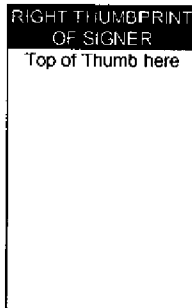
Document Date: May 21, 2004 Number of Pages: 2

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

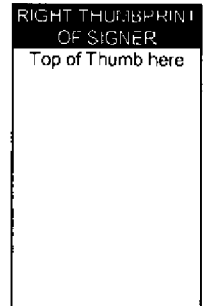
- Individual
- Corporate Officer
- Titles(s): _____
- Partner - Limited General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: _____



Signer Is Representing: _____

Signer's Name: _____

- Individual
- Corporate Officer
- Title(s): _____
- Partner - Limited General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: _____



Signer Is Representing: _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGEMENT

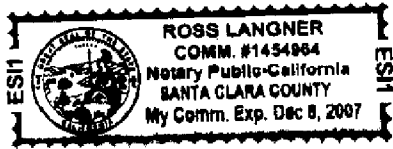
State of California

County of Santa Clara

On May, 21 2004 before me, Ross Langner
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Viktor I. Koldiaev
Name(s) of Signer(s)

personally known to me -OR- proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Ross Langner
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Assignment and Agreement for a Patent

Document Date: May 21, 2004 Number of Pages: 2

Signer(s) Other Than Named Above: _____

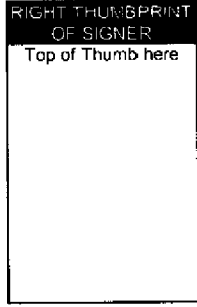
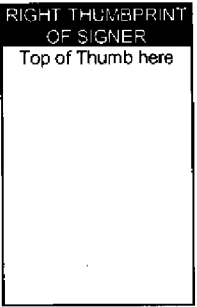
Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

Signer's Name: _____

- Individual
- Corporate Officer
- Title(s): _____
- Partner - Limited General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: _____

- Individual
- Corporate Officer
- Title(s): _____
- Partner - Limited General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: _____



Signer Is Representing: _____

Signer Is Representing: _____