

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Saifuddin Fakhruddin | 01/05/1994 |
| Robert A. Kohtz | 01/04/1994 |
| Lloyd W. Gauthier | 01/07/1994 |
| David J. DeLisle | 01/04/1994 |
| RECEIVING PARTY DATA | |
| Name: | Zenith Data Systems Corporation |
| Street Address: | 2150 East Lake Cook Road |
| City: | Buffalo Grove |
| State/Country: | ILLINOIS |
| Postal Code: | 60089 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Patent Number: | 5696987 |
| CORRESPONDENCE DATA | |
| Fax Number: | (858)677-1465 |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | |
| Phone: | 8586386641 |
| Email: | cynthia.stepanek@dlapiper.com |
| Correspondent Name: | Antony M. Novom |
| Address Line 1: | 4365 Executive Drive |
| Address Line 2: | Suite 11000 |
| Address Line 4: | San Diego, CALIFORNIA 92121-2133 |
| ATTORNEY DOCKET NUMBER: | 369461-000016 |
| NAME OF SUBMITTER: | Antony M. Novom |

CH \$40.00 5696987

Total Attachments: 12

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ASSIGNMENT

IN CONSIDERATION of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we, SAIFUDDIN FAKHRUDDIN of St. Joseph, Michigan; LLOYD W. GAUTHIER of Austin, Texas; and ROBERT A. KOHTZ of St. Joseph, Michigan do hereby sell, assign and transfer unto **ZENITH DATA SYSTEMS CORPORATION**, a corporation of the State of Delaware, and having its principal place of business at 2150 East Lake Cook Road, Buffalo Grove, Illinois 60089, its successors, assigns and legal representatives, our entire right, title and interest for the United States and its territories, and all foreign countries, in and to the inventions set forth in the following applications for United States Letters Patent:

FAST SWITCHING MEMORY MODE SYSTEM, Serial No. 07/459,055,
filed December 12, 1989 (Attorney Docket No. 53321)

FAST SWITCHING MEMORY MODE SYSTEM, Serial No. 07/735,619,
filed July 25, 1991 (Attorney Docket No. 53320)

**HARDWARE BASED INTERFACE FOR MODE SWITCHING TO ACCESS
MEMORY ABOVE ONE MEGABYTE**, Serial No. 08/031,029,
filed March 11, 1993 (Attorney Docket No. 54307)

FAST SWITCHING MEMORY MODE SYSTEM, Serial No. 08/139,946
filed October 20, 1993 (Attorney Docket No. 55212)

and in and to said applications and all the right, title and interest in, to and under any and all United States and foreign Letters Patent that may be granted for the said inventions, and all divisions, continuations, renewals, reissues, and extensions thereof, and the applications therefor, and the right to claim the priority of these applications in any and all foreign countries where application for patent on said invention may be filed; and we hereby agree to execute such other lawful documents and perform such other lawful acts as are requested for securing to said assignee, its successors, assigns and legal representatives, all of the rights to said inventions.

6827

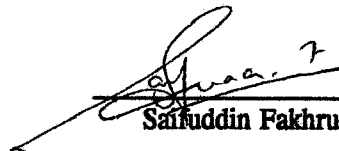
REEL

0592

FRAME

WE HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue the Letters Patent to said assignee, its successors and assigns, pursuant to the terms of this Assignment.

IN WITNESS WHEREOF, I have signed, sealed and delivered this instrument this 5 day of JANUARY, 1994.



Saifuddin Fakhruddin

IN WITNESS WHEREOF, I have signed, sealed and delivered this instrument this _____ day of _____, 19____.

Lloyd W. Gauthier

IN WITNESS WHEREOF, I have signed, sealed and delivered this instrument this _____ day of _____, 19____.

Robert A. Kohtz

REEL 6827
FRAME 0593

STATE OF MICHIGAN)
) SS
COUNTY OF BERRIEN)

BE IT REMEMBERED that on this 5 day of JANUARY, 1994, before me a Notary Public, duly commissioned, qualified and acting in and for the County and State aforesaid came SAIFUDDIN FAKHRUDDIN, who is personally known to me to be the identical person described in and who executed and signed the foregoing instrument of writing, and duly acknowledged that he executed the same as his free act and deed, for the purposes and considerations therein expressed.

IN WITNESS WHEREOF, I hereunto set my hand and affix my official seal the day and year aforesaid.

JANUARY 5, 1994 Charlotte Evans
Notary Public

My Commission Expires: 5-17-98

CHARLOTTE EVANS
Notary Public, Berrien County, MI
My Commission Expires 5-17-98

REEL 6827
FRAME 0594

STATE OF _____)
) SS
COUNTY OF _____)

BE IT REMEMBERED that on this _____ day of _____, 19____, before me a Notary Public, duly commissioned, qualified and acting in and for the County and State aforesaid came LLOYD W. GAUTHIER, who is personally known to me to be the identical person described in and who executed and signed the foregoing instrument of writing, and duly acknowledged that he executed the same as his free act and deed, for the purposes and considerations therein expressed.

IN WITNESS WHEREOF, I hereunto set my hand and affix my official seal the day and year aforesaid.

_____, 19____
Notary Public

My Commission Expires: _____

ASSIGNMENT

IN CONSIDERATION of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we, SAIFUDDIN FAKHRUDDIN of St. Joseph, Michigan; LLOYD W. GAUTHIER of Austin, Texas; and ROBERT A. KOHTZ of St. Joseph, Michigan do hereby sell, assign and transfer unto **ZENITH DATA SYSTEMS CORPORATION**, a corporation of the State of Delaware, and having its principal place of business at 2150 East Lake Cook Road, Buffalo Grove, Illinois 60089, its successors, assigns and legal representatives, our entire right, title and interest for the United States and its territories, and all foreign countries, in and to the inventions set forth in the following applications for United States Letters Patent:

FAST SWITCHING MEMORY MODE SYSTEM, Serial No. 07/459,055,
filed December 12, 1989 (Attorney Docket No. 53321)

FAST SWITCHING MEMORY MODE SYSTEM, Serial No. 07/735,619,
filed July 25, 1991 (Attorney Docket No. 53320)

**HARDWARE BASED INTERFACE FOR MODE SWITCHING TO ACCESS
MEMORY ABOVE ONE MEGABYTE, Serial No. 08/031,029,**
filed March 11, 1993 (Attorney Docket No. 54307)

FAST SWITCHING MEMORY MODE SYSTEM, Serial No. 08/139,946
filed October 20, 1993 (Attorney Docket No. 55212)

and in and to said applications and all the right, title and interest in, to and under any and all United States and foreign Letters Patent that may be granted for the said inventions, and all divisions, continuations, renewals, reissues, and extensions thereof, and the applications therefor, and the right to claim the priority of these applications in any and all foreign countries where application for patent on said invention may be filed; and we hereby agree to execute such other lawful documents and perform such other lawful acts as are requested for securing to said assignee, its successors, assigns and legal representatives, all of the rights to said inventions.

REEL 6826
FRAME 0780

WE HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue the Letters Patent to said assignee, its successors and assigns, pursuant to the terms of this Assignment.

IN WITNESS WHEREOF, I have signed, sealed and delivered this instrument this ____ day of _____, 19____.

Saifuddin Fakhruddin

IN WITNESS WHEREOF, I have signed, sealed and delivered this instrument this ____ day of _____, 19____.

Lloyd W. Gauthier

IN WITNESS WHEREOF, I have signed, sealed and delivered this instrument this 4th day of JANUARY, 1994.

Robert A. Kohtz
Robert A. Kohtz

REEL 6826
FRAME 0781

STATE OF Michigan)
) SS
COUNTY OF Benewah)

BE IT REMEMBERED that on this 4th day of JANUARY,
1994, before me a Notary Public, duly commissioned, qualified and acting in and for
the County and State aforesaid came ROBERT A. KOHTZ, who is personally
known to me to be the identical person described in and who executed and signed the
foregoing instrument of writing, and duly acknowledged that he executed the same as his
free act and deed, for the purposes and considerations therein expressed.

IN WITNESS WHEREOF, I hereunto set my hand and affix my official
seal the day and year aforesaid.

January 4, 1994 Robin K Tate
Notary Public

My Commission Expires: Feb 12, 1996

REEL 6826
FRAME 0783

RECORDED
DEED & MORTGAGE OFFICE

JAN 16 94

ASSIGNMENT

IN CONSIDERATION of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we, SAIFUDDIN FAKHRUDDIN of St. Joseph, Michigan; LLOYD W. GAUTHIER of Austin, Texas; and ROBERT A. KOHTZ of St. Joseph, Michigan do hereby sell, assign and transfer unto ZENITH DATA SYSTEMS CORPORATION, a corporation of the State of Delaware, and having its principal place of business at 2150 East Lake Cook Road, Buffalo Grove, Illinois 60089, its successors, assigns and legal representatives, our entire right, title and interest for the United States and its territories, and all foreign countries, in and to the inventions set forth in the following applications for United States Letters Patent:

**FAST SWITCHING MEMORY MODE SYSTEM, Serial No. 07/459,055,
filed December 12, 1989 (Attorney Docket No. 53321)**

**FAST SWITCHING MEMORY MODE SYSTEM, Serial No. 07/735,619,
filed July 25, 1991 (Attorney Docket No. 53320)**

**HARDWARE BASED INTERFACE FOR MODE SWITCHING TO ACCESS
MEMORY ABOVE ONE MEGABYTE, Serial No. 08/031,029,
filed March 11, 1993 (Attorney Docket No. 54307)**

**FAST SWITCHING MEMORY MODE SYSTEM, Serial No. 08/139,946
filed October 20, 1993 (Attorney Docket No. 55212)**

and in and to said applications and all the right, title and interest in, to and under any and all United States and foreign Letters Patent that may be granted for the said inventions, and all divisions, continuations, renewals, reissues, and extensions thereof, and the applications therefor, and the right to claim the priority of these applications in any and all foreign countries where application for patent on said invention may be filed; and we hereby agree to execute such other lawful documents and perform such other lawful acts as are requested for securing to said assignee, its successors, assigns and legal representatives, all of the rights to said inventions.

6827 REEL
0587 FRAME

WE HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue the Letters Patent to said assignee, its successors and assigns, pursuant to the terms of this Assignment.

IN WITNESS WHEREOF, I have signed, sealed and delivered this instrument this _____ day of _____, 19____.

Saifuddin Fakhruddin

IN WITNESS WHEREOF, I have signed, sealed and delivered this instrument this 7 day of January, 1994.



Lloyd W. Gauthier

IN WITNESS WHEREOF, I have signed, sealed and delivered this instrument this _____ day of _____, 19____.

Robert A. Kohtz

REEL 6827
FRAME 0588

STATE OF _____)
) SS
COUNTY OF _____)

BE IT REMEMBERED that on this _____ day of _____, 19____, before me a Notary Public, duly commissioned, qualified and acting in and for the County and State aforesaid came SAIFUDDIN FAKHRUDDIN, who is personally known to me to be the identical person described in and who executed and signed the foregoing instrument of writing, and duly acknowledged that he executed the same as his free act and deed, for the purposes and considerations therein expressed.

IN WITNESS WHEREOF, I hereunto set my hand and affix my official seal the day and year aforesaid.

_____, 19____ Notary Public

My Commission Expires: _____

REEL 6827
FRAME 0589

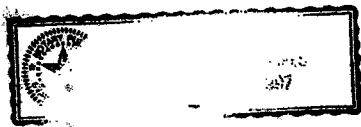
STATE OF Texas)
) SS
COUNTY OF Travis)

BE IT REMEMBERED that on this 7 day of January, 1994, before me a Notary Public, duly commissioned, qualified and acting in and for the County and State aforesaid came LLOYD W. GAUTHIER, who is personally known to me to be the identical person described in and who executed and signed the foregoing instrument of writing, and duly acknowledged that he executed the same as his free act and deed, for the purposes and considerations therein expressed.

IN WITNESS WHEREOF, I hereunto set my hand and affix my official seal the day and year aforesaid.

January 7, 1994 Betty Groom
Notary Public

My Commission Expires: 11/7/97



ASSIGNMENT

IN CONSIDERATION of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we, DAVID J. DE LISLE of Berrien Springs, Michigan, SAIFUDDIN FAKHRUDDIN of St. Joseph, Michigan; LLOYD W. GAUTHIER of Austin, Texas; and ROBERT A. KOHTZ of St. Joseph, Michigan do hereby sell, assign and transfer unto ZENITH DATA SYSTEMS CORPORATION, a corporation of the State of Delaware, and having its principal place of business at 2150 East Lake Cook Road, Buffalo Grove, Illinois 60089, its successors, assigns and legal representatives, our entire right, title and interest for the United States and its territories, and all foreign countries, in and to the inventions set forth in the following applications for United States Letters Patent:

**FAST SWITCHING MEMORY MODE SYSTEM, Serial No. 07/735,619,
filed July 25, 1991 (Attorney Docket No. 53320)**

**HARDWARE BASED INTERFACE FOR MODE SWITCHING TO ACCESS
MEMORY ABOVE ONE MEGABYTE, Serial No. 08/031,029,
filed March 11, 1993 (Attorney Docket No. 54307)**

**FAST SWITCHING MEMORY MODE SYSTEM, Serial No. 08/139,946
filed October 20, 1993 (Attorney Docket No. 55212)**

and in and to said application and all the right, title and interest in, to and under any and all United States and foreign Letters Patent that may be granted for the said invention, and all divisions, continuations, renewals, reissues, and extensions thereof, and the applications therefor, and the right to claim the priority of this application in any and all foreign countries where application for patent on said invention may be filed; and we hereby agree to execute such other lawful documents and perform such other lawful acts as are requested for securing to said assignee, its successors, assigns and legal representatives, all of the rights to said invention.

REEL 6826
FRAME 0785

WE HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue the Letters Patent to said assignee, its successors and assigns, pursuant to the terms of this Assignment.

IN WITNESS WHEREOF, I have signed, sealed and delivered this instrument this 4 day of January, 1994.

Marilyn F. Williams
Marilyn F. Williams
Notary Public, Berrien County, MI
My Commission Expires Aug. 1, 1995

David J. DeLisle

David J. DeLisle

IN WITNESS WHEREOF, I have signed, sealed and delivered this instrument this ____ day of _____, 19____.

Saifuddin Fakhruddin

IN WITNESS WHEREOF, I have signed, sealed and delivered this instrument this ____ day of _____, 19____.

Lloyd W. Gauthier

IN WITNESS WHEREOF, I have signed, sealed and delivered this instrument this ____ day of _____, 19____.

Robert A. Kohtz

3 REEL 6826
FRAME 0786

STATE OF Michigan)
) SS
COUNTY OF Berrien)

BE IT REMEMBERED that on this 4th day of January, 1994, before me a Notary Public, duly commissioned, qualified and acting in and for the County and State aforesaid came DAVID J. DELISLE, who is personally known to me to be the identical person described in and who executed and signed the foregoing instrument of writing, and duly acknowledged that he executed the same as his free act and deed, for the purposes and considerations therein expressed.

IN WITNESS WHEREOF, I hereunto set my hand and affix my official seal the day and year aforesaid.

January 4, 1994 Marlyn J. Williams
Notary Public

My Commission Expires: August 1, 1995

REEL 6826
FRAME 0787

STATE OF _____)
) SS
COUNTY OF _____)

BE IT REMEMBERED that on this _____ day of _____, 19____, before me a Notary Public, duly commissioned, qualified and acting in and for the County and State aforesaid came SAIFUDDIN FAKHRUDDIN, who is personally known to me to be the identical person described in and who executed and signed the foregoing instrument of writing, and duly acknowledged that he executed the same as his free act and deed, for the purposes and considerations therein expressed.

IN WITNESS WHEREOF, I hereunto set my hand and affix my official seal the day and year aforesaid.

_____, 19____
Notary Public

My Commission Expires: _____