

MRD  
12-24-98

12-31-1998



100935974

U.S. DEPARTMENT OF COMMERCE

HEET

Patent and Trademark Office  
Docket No. 346872800000

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

1. Name of conveying party:

Larry S. Freedman

- ☐ Individual ☐ Association  
☐ General Partnership ☐ Limited Partnership  
☐ Corporation-State ☐ Other  
☒ Corporation to Corporation

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignments ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other:

Execution Date: December 21, 1998, consecutively.

2. Name and address of receiving party:

Name: PLATINUM technology IP, inc.  
Internal Address:  
Street Address: 1815 South Meyers Road  
City: Oakbrook Terrace State: IL ZIP: 60181

Additional name(s) & address(es) attached? ☐ Yes ☒ No

RECEIVED  
DEC 24 PM 2:59  
OPR/FINANCE

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 Nos.:

09/183,336 filed October 30, 1998  
09/187,102 filed November 5, 1998

Additional numbers attached? ☐ Yes ☒ No

B. Patent Nos.:

U. S. Patent No. 5,301,314 issued April 5, 1994  
U. S. Patent No. 5,404,518 issued April 4, 1995  
U. S. Patent No. 5,446,883 issued August 29, 1995

5. Name and address of party to whom correspondence concerning document should be mailed:

Erwin J. Basinski  
Morrison & Foerster LLP  
425 Market Street  
San Francisco, California 94105-2482

6. Total number of applications and patents involved: 5

7. Total fee (37 C.F.R. § 3.41): \$200.00

- ☒ Enclosed  
☐ Authorized to be charged to deposit account, referencing Attorney Docket 346872800000

8. Deposit account number: 03-1952

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. § 1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. 03-1952.

**DO NOT USE THIS SPACE**

9. 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.

Name: Erwin J. Basinski  
Registration No: 34,773

Signature

Date

*Erwin J. Basinski* 12/23/98

Total number of pages comprising cover sheet, attachments and document: 31

Mail documents to be recorded with required cover sheet information to:

U.S. Patent and Trademark Office  
Office of Public Records  
Box Assignments  
Crystal Gateway 4, Room 335  
Washington, D.C. 20231

12/29/1998 DNGUYEN 00000198 5301314

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sf-618484

PATENT  
REEL: 9662 FRAME: 0513

**ASSIGNMENT**

WHEREAS, Platinum Technology, Inc. a Delaware corporation (hereinafter "assignor"), is the sole and exclusive owner, by assignment, of the United States Patent No. 5,301,314 issued on April 5, 1994 and assigned to Answer Computer, Inc., entitled "**COMPUTER-AIDED CUSTOMER SUPPORT SYSTEM WITH BUBBLE-UP**," and the inventions described therein; and

WHEREAS, PLATINUM technology IP, inc., a corporation of Delaware (hereinafter "assignee"), is desirous of acquiring the right, title and interest in, to and under said patent application and the inventions covered thereby:

NOW, THEREFORE, in consideration of and in exchange for the sum of One Dollar (\$1.00) to be paid by assignee and other good and valuable consideration, the receipt of which is hereby acknowledged, assignor has sold, assigned, and transferred, and does hereby sell, assign, and transfer the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all applications for Letters Patent in the United States of America and in all foreign countries and in all Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the said assignees, for their own use and the use of their successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents, may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, the said assignor hereby covenants and agrees to and with the assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, the said assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that the said assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND assignor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent or Patents of the United States on said inventions or resulting from said applications and any continuations, divisionals and reissues thereof to assignee as assignee of the entire interest, and hereby covenants that it has full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreements inconsistent herewith.

12-21-98  
Date

  
Name

Senior Vice President + General Counsel  
Title

*State of Delaware*  
*Office of the Secretary of State* PAGE 1

COPY

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"ANSWER SYSTEMS, INC." A CALIFORNIA CORPORATION,

"PLATINUM APPLICATIONS SOLUTIONS, INC." A MASSACHUSETTS CORPORATION,

"PROTECHCESS SOFTWARE, INC." A CALIFORNIA CORPORATION,

"RELTECH GROUP, INC." A DELAWARE CORPORATION,

"SOFTOOL CORPORATION" A CALIFORNIA CORPORATION,

"TRINZIC CORPORATION" A DELAWARE CORPORATION,

WITH AND INTO "PLATINUM TECHNOLOGY, INC." UNDER THE NAME OF "PLATINUM TECHNOLOGY, INC." A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-FOURTH DAY OF DECEMBER, A.D. 1997, AT 9:01 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



*Edward J. Freel*

Edward J. Freel, Secretary of State

2123655 8100M

AUTHENTICATION: 8839083

971447802

DATE: 12-29-97

PATENT  
REEL: 9662 FRAME: 0515

STATE OF DELAWARE  
SECRETARY OF STATE  
DIVISION OF CORPORATIONS  
FILED 09:01 AM 12/24/1997  
971447802 - 2123655

**CERTIFICATE OF OWNERSHIP AND MERGER**

**OF**

**RELTECH GROUP, INC.,**  
a Delaware corporation,

**ANSWER SYSTEMS, INC.,**  
a California corporation,

**TRINZIC CORPORATION,**  
a Delaware corporation,

**SOFTOOL CORPORATION,**  
a California corporation,

**PROTELLICESS SOFTWARE, INC.,**  
a California corporation,

**AND**

**PLATINUM APPLICATIONS SOLUTIONS, INC.,**  
a Massachusetts corporation,

**INTO**

**PLATINUM TECHNOLOGY, INC.**  
a Delaware corporation

It is hereby certified that:

1. **PLATINUM TECHNOLOGY, INC.** (hereinafter sometimes referred to as the "Corporation") is a business corporation of the State of Delaware.
2. The Corporation is the owner of all of the outstanding shares of the stock of **RELTECH GROUP, INC.**, which is a business corporation of the State of Delaware.
3. The Corporation is the owner of all of the outstanding shares of the stock of **ANSWER SYSTEMS, INC.**, which is a business corporation of the State of California.
4. The Corporation is the owner of all of the outstanding shares of the stock of **TRINZIC CORPORATION**, which is a business corporation of the State of Delaware.

5. The Corporation is the owner of all of the outstanding shares of the stock of SOFTOOL CORPORATION, which is a business corporation of the State of California.

6. The Corporation is the owner of all of the outstanding shares of the stock of PROTELCESS SOFTWARE, INC., which is a business corporation of the State of California.

7. The Corporation is the owner of all of the outstanding shares of the stock of PLATINUM APPLICATIONS SOLUTIONS, INC., which is a business corporation of the State of Massachusetts.

8. RELTECH GROUP, INC., a Delaware corporation, ANSWER SYSTEMS, INC., a California corporation, TRINZIC CORPORATION, a Delaware corporation, SOFTOOL CORPORATION, a California corporation, PROTELCESS SOFTWARE, INC., a California corporation, and PLATINUM APPLICATIONS SOLUTIONS, INC., a Massachusetts corporation, are hereafter sometimes referred to as the "Subsidiary Corporations".

9. On December 22, 1997, the Board of Directors of the Corporation adopted the following resolutions to merge the subsidiary corporations into the Corporation:

**RESOLVED**, that the Subsidiary Corporations be merged into this Corporation, and that all of the estate, property, rights, privileges, powers, and franchises of each and all of the Subsidiary Corporations be vested in and held and enjoyed respectively by this Corporation as fully and entirely and without change or diminution as the same were before held and enjoyed by each and all of the Subsidiary Corporations in their respective names.

**FURTHER RESOLVED**, that this Corporation assume all of the obligations of each and all of the Subsidiary Corporations.

**FURTHER RESOLVED**, that this Corporation shall cause to be executed and filed and/or recorded the documents prescribed by the laws of the States of Delaware, California and Massachusetts, and by the laws of any other appropriate jurisdiction and will cause to be performed all necessary acts within the State of Delaware and within any other appropriate jurisdiction.

Executed on December 23, 1997.

PLATINUM TECHNOLOGY, INC., a  
Delaware corporation

By: \_\_\_\_\_

Andrew J. Filipowski, President

State of Delaware

PAGE 1

*Office of the Secretary of State*

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"ANSWER SYSTEMS, INC." A CALIFORNIA CORPORATION,  
"PLATINUM APPLICATIONS SOLUTIONS, INC." A MASSACHUSETTS CORPORATION,  
"PROTELLICISS SOFTWARE, INC.", A CALIFORNIA CORPORATION,  
"RETECH GROUP, INC.", A DELAWARE CORPORATION,  
"SOFTOOL CORPORATION", A CALIFORNIA CORPORATION,  
"FRINZIC CORPORATION", A DELAWARE CORPORATION,  
WITH AND INTO "PLATINUM TECHNOLOGY, INC." UNDER THE NAME OF  
"PLATINUM TECHNOLOGY, INC.", A CORPORATION ORGANIZED AND  
EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED  
AND FILED IN THIS OFFICE THE TWENTY-FOURTH DAY OF DECEMBER, A.D.  
1997, AT 9:01 O'CLOCK A.M.



Edward J. Freel, Secretary of State

2123655 8100M

971451093

AUTHENTICATION: 8839804

DATE: 12-30-97

PATENT  
REEL: 9662 FRAME: 0518

STATE OF DELAWARE  
SECRETARY OF STATE  
DIVISION OF CORPORATIONS  
FILED 09:01 AM 12/24/1997  
971447802 - 2123655

**CERTIFICATE OF OWNERSHIP AND MERGER**

**OF**

**RELTECH GROUP, INC.,**  
a Delaware corporation,

**ANSWER SYSTEMS, INC.,**  
a California corporation,

**TRINZIC CORPORATION,**  
a Delaware corporation,

**SOFTOOL CORPORATION,**  
a California corporation,

**PROTELLICESS SOFTWARE, INC.,**  
a California corporation,

**AND**

**PLATINUM APPLICATIONS SOLUTIONS, INC.,**  
a Massachusetts corporation,

**INTO**

**PLATINUM TECHNOLOGY, INC.**  
a Delaware corporation

It is hereby certified that:

1. **PLATINUM TECHNOLOGY, INC.** (hereinafter sometimes referred to as the "Corporation") is a business corporation of the State of Delaware.

2. The Corporation is the owner of all of the outstanding shares of the stock of **RELTECH GROUP, INC.**, which is a business corporation of the State of Delaware.

3. The Corporation is the owner of all of the outstanding shares of the stock of **ANSWER SYSTEMS, INC.**, which is a business corporation of the State of California.

4. The Corporation is the owner of all of the outstanding shares of the stock of **TRINZIC CORPORATION**, which is a business corporation of the State of Delaware.

5. The Corporation is the owner of all of the outstanding shares of the stock of SOFTOOL CORPORATION, which is a business corporation of the State of California.

6. The Corporation is the owner of all of the outstanding shares of the stock of PROTELCESS SOFTWARE, INC., which is a business corporation of the State of California.

7. The Corporation is the owner of all of the outstanding shares of the stock of PLATINUM APPLICATIONS SOLUTIONS, INC., which is a business corporation of the State of Massachusetts.

8. RELTECH GROUP, INC., a Delaware corporation, ANSWER SYSTEMS, INC., a California corporation, TRINZIC CORPORATION, a Delaware corporation, SOFTOOL CORPORATION, a California corporation, PROTELCESS SOFTWARE, INC., a California corporation, and PLATINUM APPLICATIONS SOLUTIONS, INC., a Massachusetts corporation, are hereafter sometimes referred to as the "Subsidiary Corporations".

9. On December 22, 1997, the Board of Directors of the Corporation adopted the following resolutions to merge the subsidiary corporations into the Corporation:

**RESOLVED**, that the Subsidiary Corporations be merged into this Corporation, and that all of the estate, property, rights, privileges, powers, and franchises of each and all of the Subsidiary Corporations be vested in and held and enjoyed respectively by this Corporation as fully and entirely and without change or diminution as the same were before held and enjoyed by each and all of the Subsidiary Corporations in their respective names.

**FURTHER RESOLVED**, that this Corporation assume all of the obligations of each and all of the Subsidiary Corporations.

**FURTHER RESOLVED**, that this Corporation shall cause to be executed and filed and/or recorded the documents prescribed by the laws of the States of Delaware, California and Massachusetts, and by the laws of any other appropriate jurisdiction and will cause to be performed all necessary acts within the State of Delaware and within any other appropriate jurisdiction.

Executed on December 22, 1997.

PLATINUM TECHNOLOGY, INC., a  
Delaware corporation

By: 

Andrew J. Filipowski, President



## ASSIGNMENT

WHEREAS, Platinum Technology, Inc. a Delaware corporation (hereinafter "assignor"), is the sole and exclusive owner, by assignment, of the United States Patent No. 5,404,518 issued on April 4, 1995 and assigned to Answer Computer, Inc., entitled "**SYSTEM FOR BUILDING A USER-DETERMINED DATABASE OF SOLUTION DOCUMENTS FROM QUERIES THAT FAIL WITHIN IT AND FROM THE SEARCH STEPS THAT DO PROVIDE A SOLUTION,**" and the inventions described therein; and

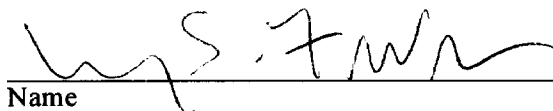
WHEREAS, PLATINUM technology IP, inc., a corporation of Delaware (hereinafter "assignee"), is desirous of acquiring the right, title and interest in, to and under said patent application and the inventions covered thereby:

NOW, THEREFORE, in consideration of and in exchange for the sum of One Dollar (\$1.00) to be paid by assignee and other good and valuable consideration, the receipt of which is hereby acknowledged, assignor has sold, assigned, and transferred, and does hereby sell, assign, and transfer the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all applications for Letters Patent in the United States of America and in all foreign countries and in all Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the said assignees, for their own use and the use of their successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents, may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, the said assignor hereby covenants and agrees to and with the assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, the said assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that the said assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND assignor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent or Patents of the United States on said inventions or resulting from said applications and any continuations, divisionals and reissues thereof to assignee as assignee of the entire interest, and hereby covenants that it has full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreements inconsistent herewith.

12-21-98  
Date

  
Name  
Senior Vice President & General Counsel  
Title

COPY

State of Delaware

## Office of the Secretary of State PAGE 1

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"ANSWER SYSTEMS, INC.", A CALIFORNIA CORPORATION,

"PLATINUM APPLICATIONS SOLUTIONS, INC.", A MASSACHUSETTS CORPORATION,

"PROTELIENCE SOFTWARE, INC.", A CALIFORNIA CORPORATION,

"RELTECH GROUP, INC.", A DELAWARE CORPORATION,

"SOFTOOL CORPORATION", A CALIFORNIA CORPORATION,

"TRINZIC CORPORATION", A DELAWARE CORPORATION,

WITH AND INTO "PLATINUM TECHNOLOGY, INC." UNDER THE NAME OF "PLATINUM TECHNOLOGY, INC." A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-FOURTH DAY OF DECEMBER, A.D. 1997, AT 9:01 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

COPY



Edward J. Freel, Secretary of State

2123655 8100M

AUTHENTICATION: 8839083

971447802

DATE: 12-29-97

PATENT  
REEL: 9662 FRAME: 0522

STATE OF DELAWARE  
SECRETARY OF STATE  
DIVISION OF CORPORATIONS  
FILED 09:01 AM 12/24/1997  
971447802 - 2123655

**CERTIFICATE OF OWNERSHIP AND MERGER**

**OF**

**RELTECH GROUP, INC.,**  
a Delaware corporation,

**ANSWER SYSTEMS, INC.,**  
a California corporation,

**TRINZIC CORPORATION,**  
a Delaware corporation,

**SOFTTOOL CORPORATION,**  
a California corporation,

**PROTELLICESS SOFTWARE, INC.,**  
a California corporation,

**AND**

**PLATINUM APPLICATIONS SOLUTIONS, INC.,**  
a Massachusetts corporation,

**INTO**

**PLATINUM TECHNOLOGY, INC.**  
a Delaware corporation

It is hereby certified that:

1. **PLATINUM TECHNOLOGY, INC.** (hereinafter sometimes referred to as the "Corporation") is a business corporation of the State of Delaware.
2. The Corporation is the owner of all of the outstanding shares of the stock of **RELTECH GROUP, INC.**, which is a business corporation of the State of Delaware.
3. The Corporation is the owner of all of the outstanding shares of the stock of **ANSWER SYSTEMS, INC.**, which is a business corporation of the State of California.
4. The Corporation is the owner of all of the outstanding shares of the stock of **TRINZIC CORPORATION**, which is a business corporation of the State of Delaware.

0069/340021-01\_ 12/22/97

**PATENT**  
**REEL: 9662 FRAME: 0523**

5. The Corporation is the owner of all of the outstanding shares of the stock of SOFTOOL CORPORATION, which is a business corporation of the State of California.

6. The Corporation is the owner of all of the outstanding shares of the stock of PROTELLICESS SOFTWARE, INC., which is a business corporation of the State of California.

7. The Corporation is the owner of all of the outstanding shares of the stock of PLATINUM APPLICATIONS SOLUTIONS, INC., which is a business corporation of the State of Massachusetts.

8. RELTECH GROUP, INC., a Delaware corporation, ANSWER SYSTEMS, INC., a California corporation, TRINZIC CORPORATION, a Delaware corporation, SOFTOOL CORPORATION, a California corporation, PROTELLICESS SOFTWARE, INC., a California corporation, and PLATINUM APPLICATIONS SOLUTIONS, INC., a Massachusetts corporation, are hereafter sometimes referred to as the "Subsidiary Corporations".

9. On December 23, 1997, the Board of Directors of the Corporation adopted the following resolutions to merge the subsidiary corporations into the Corporation:

**RESOLVED**, that the Subsidiary Corporations be merged into this Corporation, and that all of the estate, property, rights, privileges, powers, and franchises of each and all of the Subsidiary Corporations be vested in and held and enjoyed respectively by this Corporation as fully and entirely and without change or diminution as the same were before held and enjoyed by each and all of the Subsidiary Corporations in their respective names.

**FURTHER RESOLVED**, that this Corporation assume all of the obligations of each and all of the Subsidiary Corporations.

**FURTHER RESOLVED**, that this Corporation shall cause to be executed and filed and/or recorded the documents prescribed by the laws of the States of Delaware, California and Massachusetts, and by the laws of any other appropriate jurisdiction and will cause to be performed all necessary acts within the State of Delaware and within any other appropriate jurisdiction.

Executed on December 23, 1997.

PLATINUM TECHNOLOGY, INC., a  
Delaware corporation

By: 

Andrew J. Filipowski, President

State of Delaware

PAGE 1

Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"ANSWER SYSTEMS, INC." A CALIFORNIA CORPORATION,

"PLATINUM APPLICATIONS SOLUTIONS, INC." A MASSACHUSETTS CORPORATION

"PROTELICISS SOFTWARE, INC." A CALIFORNIA CORPORATION,

"RETECH GROUP, INC." A DELAWARE CORPORATION,

"SOFTOOL CORPORATION" A CALIFORNIA CORPORATION,

"TRINTEC CORPORATION" A DELAWARE CORPORATION,

WITH AND INTO "PLATINUM TECHNOLOGY, INC." UNDER THE NAME OF "PLATINUM TECHNOLOGY, INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-FOURTH DAY OF DECEMBER, A.D. 1997, AT 9:01 O'CLOCK A.M.



Edward J. Freel, Secretary of State

2123655 8100M

AUTHENTICATION: 8839804

971451093

DATE: 12-30-97

PATENT  
REEL: 9662 FRAME: 0525

STATE OF DELAWARE  
SECRETARY OF STATE  
DIVISION OF CORPORATIONS  
FILED 09:01 AM 12/24/1997  
971447802 - 2123655

**CERTIFICATE OF OWNERSHIP AND MERGER**

**OF**

**RELTECH GROUP, INC.,**  
a Delaware corporation,

**ANSWER SYSTEMS, INC.,**  
a California corporation,

**TRINZIC CORPORATION,**  
a Delaware corporation,

**SOFTOOL CORPORATION,**  
a California corporation,

**PROTELLICESS SOFTWARE, INC.,**  
a California corporation,

**AND**

**PLATINUM APPLICATIONS SOLUTIONS, INC.,**  
a Massachusetts corporation,

**INTO**

**PLATINUM TECHNOLOGY, INC.**  
a Delaware corporation

It is hereby certified that:

1. **PLATINUM TECHNOLOGY, INC.** (hereinafter sometimes referred to as the "Corporation") is a business corporation of the State of Delaware.
2. The Corporation is the owner of all of the outstanding shares of the stock of **RELTECH GROUP, INC.**, which is a business corporation of the State of Delaware.
3. The Corporation is the owner of all of the outstanding shares of the stock of **ANSWER SYSTEMS, INC.**, which is a business corporation of the State of California.
4. The Corporation is the owner of all of the outstanding shares of the stock of **TRINZIC CORPORATION**, which is a business corporation of the State of Delaware.

0069/340021-01\_12/22/97

**PATENT**  
**REEL: 9662 FRAME: 0526**

5. The Corporation is the owner of all of the outstanding shares of the stock of SOFTOOL CORPORATION, which is a business corporation of the State of California.

6. The Corporation is the owner of all of the outstanding shares of the stock of PROTELLICESS SOFTWARE, INC., which is a business corporation of the State of California.

7. The Corporation is the owner of all of the outstanding shares of the stock of PLATINUM APPLICATIONS SOLUTIONS, INC., which is a business corporation of the State of Massachusetts.

8. RELTECH GROUP, INC., a Delaware corporation, ANSWER SYSTEMS, INC., a California corporation, TRINZIC CORPORATION, a Delaware corporation, SOFTOOL CORPORATION, a California corporation, PROTELLICESS SOFTWARE, INC., a California corporation, and PLATINUM APPLICATIONS SOLUTIONS, INC., a Massachusetts corporation, are hereafter sometimes referred to as the "Subsidiary Corporations".

9. On December 23, 1997, the Board of Directors of the Corporation adopted the following resolutions to merge the subsidiary corporations into the Corporation:

**RESOLVED**, that the Subsidiary Corporations be merged into this Corporation, and that all of the estate, property, rights, privileges, powers, and franchises of each and all of the Subsidiary Corporations be vested in and held and enjoyed respectively by this Corporation as fully and entirely and without change or diminution as the same were before held and enjoyed by each and all of the Subsidiary Corporations in their respective names.

**FURTHER RESOLVED**, that this Corporation assume all of the obligations of each and all of the Subsidiary Corporations.

**FURTHER RESOLVED**, that this Corporation shall cause to be executed and filed and/or recorded the documents prescribed by the laws of the States of Delaware, California and Massachusetts, and by the laws of any other appropriate jurisdiction and will cause to be performed all necessary acts within the State of Delaware and within any other appropriate jurisdiction.

Executed on December 23, 1997.

PLATINUM TECHNOLOGY, INC., a  
Delaware corporation

By: 

Andrew J. Filipowski, President

## ASSIGNMENT

WHEREAS, Platinum Technology, Inc. a Delaware corporation (hereinafter "assignor"), is the sole and exclusive owner, by assignment, of the United States Patent No. 5,446,883 issued on August 29, 1995 and assigned to Answer Systems, Inc., entitled "**METHOD AND SYSTEM FOR DISTRIBUTED INFORMATION MANAGEMENT AND DOCUMENT RETRIEVAL**," and the inventions described therein; and

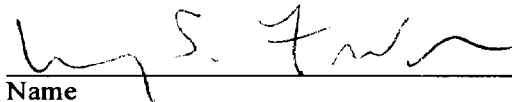
WHEREAS, PLATINUM technology IP, inc., a corporation of Delaware (hereinafter "assignee"), is desirous of acquiring the right, title and interest in, to and under said patent application and the inventions covered thereby:

NOW, THEREFORE, in consideration of and in exchange for the sum of One Dollar (\$1.00) to be paid by assignee and other good and valuable consideration, the receipt of which is hereby acknowledged, assignor has sold, assigned, and transferred, and does hereby sell, assign, and transfer the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all applications for Letters Patent in the United States of America and in all foreign countries and in all Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the said assignees, for their own use and the use of their successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents, may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, the said assignor hereby covenants and agrees to and with the assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, the said assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that the said assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND assignor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent or Patents of the United States on said inventions or resulting from said applications and any continuations, divisionals and reissues thereof to assignee as assignee of the entire interest, and hereby covenants that it has full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreements inconsistent herewith.

12-21-98  
Date

  
Name

Senior Vice President & General Counsel  
Title



*State of Delaware*  
*Office of the Secretary of State* PAGE 1

COPY

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"ANSWER SYSTEMS, INC.", A CALIFORNIA CORPORATION,

"PLATINUM APPLICATIONS SOLUTIONS, INC.", A MASSACHUSETTS CORPORATION,

"PROTECHCESS SOFTWARE, INC.", A CALIFORNIA CORPORATION,

"RELTECH GROUP, INC.", A DELAWARE CORPORATION,

"SOFTOOL CORPORATION", A CALIFORNIA CORPORATION,

"TRINZIC CORPORATION", A DELAWARE CORPORATION,

WITH AND INTO "PLATINUM TECHNOLOGY, INC." UNDER THE NAME OF "PLATINUM TECHNOLOGY, INC." A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-FOURTH DAY OF DECEMBER, A.D. 1997, AT 9:01:00 CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



*Edward J. Freel*

Edward J. Freel, Secretary of State

2123655 8100M

AUTHENTICATION: 8839083

971447802

DATE: 12-29-97

PATENT  
REEL: 9662 FRAME: 0529

STATE OF DELAWARE  
SECRETARY OF STATE  
DIVISION OF CORPORATIONS  
FILED 09:01 AM 12/24/1997  
971447802 - 2123655

**CERTIFICATE OF OWNERSHIP AND MERGER**

**OF**

**RELTECH GROUP, INC.,  
a Delaware corporation,**

**ANSWER SYSTEMS, INC.,  
a California corporation,**

**TRINZIC CORPORATION,  
a Delaware corporation,**

**SOFTOOL CORPORATION,  
a California corporation,**

**PROTELLICESS SOFTWARE, INC.,  
a California corporation,**

**AND**

**PLATINUM APPLICATIONS SOLUTIONS, INC.,  
a Massachusetts corporation,**

**INTO**

**PLATINUM TECHNOLOGY, INC.  
a Delaware corporation**

It is hereby certified that:

1. **PLATINUM TECHNOLOGY, INC.** (hereinafter sometimes referred to as the "Corporation") is a business corporation of the State of Delaware.
2. The Corporation is the owner of all of the outstanding shares of the stock of **RELTECH GROUP, INC.**, which is a business corporation of the State of Delaware.
3. The Corporation is the owner of all of the outstanding shares of the stock of **ANSWER SYSTEMS, INC.**, which is a business corporation of the State of California.
4. The Corporation is the owner of all of the outstanding shares of the stock of **TRINZIC CORPORATION**, which is a business corporation of the State of Delaware.

5. The Corporation is the owner of all of the outstanding shares of the stock of **SOFTOOL CORPORATION**, which is a business corporation of the State of California.

6. The Corporation is the owner of all of the outstanding shares of the stock of **PROTELLICESS SOFTWARE, INC.**, which is a business corporation of the State of California.

7. The Corporation is the owner of all of the outstanding shares of the stock of **PLATINUM APPLICATIONS SOLUTIONS, INC.**, which is a business corporation of the State of Massachusetts.

8. **RELTECH GROUP, INC.**, a Delaware corporation, **ANSWER SYSTEMS, INC.**, a California corporation, **TRINZIC CORPORATION**, a Delaware corporation, **SOFTOOL CORPORATION**, a California corporation, **PROTELLICESS SOFTWARE, INC.**, a California corporation, and **PLATINUM APPLICATIONS SOLUTIONS, INC.**, a Massachusetts corporation, are hereafter sometimes referred to as the "Subsidiary Corporations".

9. On December 23, 1997, the Board of Directors of the Corporation adopted the following resolutions to merge the subsidiary corporations into the Corporation:

**RESOLVED**, that the Subsidiary Corporations be merged into this Corporation, and that all of the estate, property, rights, privileges, powers, and franchises of each and all of the Subsidiary Corporations be vested in and held and enjoyed respectively by this Corporation as fully and entirely and without change or diminution as the same were before held and enjoyed by each and all of the Subsidiary Corporations in their respective names.

**FURTHER RESOLVED**, that this Corporation assume all of the obligations of each and all of the Subsidiary Corporations.

**FURTHER RESOLVED**, that this Corporation shall cause to be executed and filed and/or recorded the documents prescribed by the laws of the States of Delaware, California and Massachusetts, and by the laws of any other appropriate jurisdiction and will cause to be performed all necessary acts within the State of Delaware and within any other appropriate jurisdiction.

Executed on December 23, 1997.

**PLATINUM TECHNOLOGY, INC.**, a Delaware corporation

By: \_\_\_\_\_

Andrew J. Filipowski, President

State of Delaware

PAGE 1

Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"ANSWER SYSTEMS, INC." A CALIFORNIA CORPORATION,

"PLATINUM APPLICATIONS SOLUTIONS, INC." A MASSACHUSETTS CORPORATION

"PROTELCESS SOFTWARE, INC." A CALIFORNIA CORPORATION,

"RETECH GROUP, INC." A DELAWARE CORPORATION,

"SOFTOOL CORPORATION" A CALIFORNIA CORPORATION,

"TRINTEC CORPORATION" A DELAWARE CORPORATION,

WITH AND INTO "PLATINUM TECHNOLOGY, INC." UNDER THE NAME OF "PLATINUM TECHNOLOGY, INC." A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-FOURTH DAY OF DECEMBER, A.D. 1997, AT 9:01 O'CLOCK A.M.



Edward J. Freel, Secretary of State

2123655 8100M

971451093

AUTHENTICATION: 8839804

DATE: 12-30-97

PATENT  
REEL: 9662 FRAME: 0532

STATE OF DELAWARE  
SECRETARY OF STATE  
DIVISION OF CORPORATIONS  
FILED 09:01 AM 12/24/1997  
971447802 - 2123655

**CERTIFICATE OF OWNERSHIP AND MERGER**

**OF**

**RELTECH GROUP, INC.,**  
a Delaware corporation,

**ANSWER SYSTEMS, INC.,**  
a California corporation,

**TRINZIC CORPORATION,**  
a Delaware corporation,

**SOFTOOL CORPORATION,**  
a California corporation,

**PROTELLICESS SOFTWARE, INC.,**  
a California corporation,

**AND**

**PLATINUM APPLICATIONS SOLUTIONS, INC.,**  
a Massachusetts corporation,

**INTO**

**PLATINUM TECHNOLOGY, INC.**  
a Delaware corporation

It is hereby certified that:

1. **PLATINUM TECHNOLOGY, INC.** (hereinafter sometimes referred to as the "Corporation") is a business corporation of the State of Delaware.
2. The Corporation is the owner of all of the outstanding shares of the stock of **RELTECH GROUP, INC.**, which is a business corporation of the State of Delaware.
3. The Corporation is the owner of all of the outstanding shares of the stock of **ANSWER SYSTEMS, INC.**, which is a business corporation of the State of California.
4. The Corporation is the owner of all of the outstanding shares of the stock of **TRINZIC CORPORATION**, which is a business corporation of the State of Delaware.

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**PATENT**  
**REEL: 9662 FRAME: 0533**

5. The Corporation is the owner of all of the outstanding shares of the stock of SOFTOOL CORPORATION, which is a business corporation of the State of California.

6. The Corporation is the owner of all of the outstanding shares of the stock of PROTELLICESS SOFTWARE, INC., which is a business corporation of the State of California.

7. The Corporation is the owner of all of the outstanding shares of the stock of PLATINUM APPLICATIONS SOLUTIONS, INC., which is a business corporation of the State of Massachusetts.

8. RELTECH GROUP, INC., a Delaware corporation, ANSWER SYSTEMS, INC., a California corporation, TRINZIC CORPORATION, a Delaware corporation, SOFTOOL CORPORATION, a California corporation, PROTELLICESS SOFTWARE, INC., a California corporation, and PLATINUM APPLICATIONS SOLUTIONS, INC., a Massachusetts corporation, are hereafter sometimes referred to as the "Subsidiary Corporations".

9. On December 23, 1997, the Board of Directors of the Corporation adopted the following resolutions to merge the subsidiary corporations into the Corporation:

**RESOLVED**, that the Subsidiary Corporations be merged into this Corporation, and that all of the estate, property, rights, privileges, powers, and franchises of each and all of the Subsidiary Corporations be vested in and held and enjoyed respectively by this Corporation as fully and entirely and without change or diminution as the same were before held and enjoyed by each and all of the Subsidiary Corporations in their respective names.

**FURTHER RESOLVED**, that this Corporation assume all of the obligations of each and all of the Subsidiary Corporations.

**FURTHER RESOLVED**, that this Corporation shall cause to be executed and filed and/or recorded the documents prescribed by the laws of the States of Delaware, California and Massachusetts, and by the laws of any other appropriate jurisdiction and will cause to be performed all necessary acts within the State of Delaware and within any other appropriate jurisdiction.

Executed on December 23, 1997.

PLATINUM TECHNOLOGY, INC., a  
Delaware corporation

By: \_\_\_\_\_

Andrew J. Filipowski, President

## ASSIGNMENT

WHEREAS, Platinum Technology, Inc. a Delaware corporation (hereinafter "assignor"), is the sole and exclusive owner, by assignment, of the United States Patent Application Serial No. 09/183,336 filed October 30, 1998, entitled "**METHOD AND APPARATUS FOR NEW DEVICE DRIVER INSTALLATION BY AN OPERATING SYSTEM,**" and the inventions described therein; and


WHEREAS, PLATINUM technology IP, inc., a corporation of Delaware (hereinafter "assignee"), is desirous of acquiring the right, title and interest in, to and under said patent application and the inventions covered thereby:

NOW, THEREFORE, in consideration of and in exchange for the sum of One Dollar (\$1.00) to be paid by assignee and other good and valuable consideration, the receipt of which is hereby acknowledged, assignor has sold, assigned, and transferred, and does hereby sell, assign, and transfer the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all applications for Letters Patent in the United States of America and in all foreign countries and in all Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the said assignees, for their own use and the use of their successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents, may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, the said assignor hereby covenants and agrees to and with the assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, the said assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that the said assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND assignor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent or Patents of the United States on said inventions or resulting from said applications and any continuations, divisionals and reissues thereof to assignee as assignee of the entire interest, and hereby covenants that it has full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreements inconsistent herewith.

12-21-98  
Date

  
Name  
Senior Vice President & General Counsel  
Title

## ASSIGNMENT

WHEREAS, Platinum Technology, Inc. a Delaware corporation (hereinafter "assignor"), is the sole and exclusive owner, by assignment, of the United States Patent Application Serial No. 09/187,102 filed November 5, 1998, entitled "**METHOD AND APPARATUS FOR OPERATING SYSTEM PERSONALIZATION DURING INSTALLATION**," and the inventions described therein; and

WHEREAS, PLATINUM technology IP, inc., a corporation of Delaware (hereinafter "assignee"), is desirous of acquiring the right, title and interest in, to and under said patent application and the inventions covered thereby:

NOW, THEREFORE, in consideration of and in exchange for the sum of One Dollar (\$1.00) to be paid by assignee and other good and valuable consideration, the receipt of which is hereby acknowledged, assignor has sold, assigned, and transferred, and does hereby sell, assign, and transfer the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all applications for Letters Patent in the United States of America and in all foreign countries and in all Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the said assignees, for their own use and the use of their successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents, may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, the said assignor hereby covenants and agrees to and with the assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, the said assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that the said assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND assignor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent or Patents of the United States on said inventions or resulting from said applications and any continuations, divisionals and reissues thereof to assignee as assignee of the entire interest, and hereby covenants that it has full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreements inconsistent herewith.

12-21-98  
Date

W. S. Fink  
Name

Senior Vice President + General Counsel  
Title