

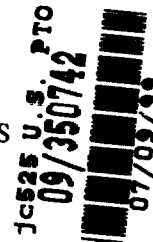
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DOCKET NO. 98-054

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Rodney A. DeKoning et al.

Assignee: LSI LOGIC CORPORATION

Title: METHODS AND APPARATUS FOR ISSUING UPDATES TO  
MULTIPLE MANAGEMENT ENTITIES

Serial No.: Unknown

Filed: July 9, 1999.

Group Art Unit: Unknown

Attorney Docket No. 98-054

Examiner: Unknown

Date: July 9, 1999.

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Honorable Commissioner  
of Patents and Trademarks  
Washington, DC 20231

Sir:

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Rodney A. DeKoning

Date of Execution: June 3, 1999.

Ray M. Jantz

Date of Execution: June 3, 1999.

William V. Courtright, II

Date of Execution: June 8, 1999.

Matthew A. Markus

Date of Execution: June 16, 1999.

2. Name and address of receiving party(ies):

LSI Logic Corporation  
1551 McCarthy Boulevard  
Milpitas, California 95035  
U.S.A.

3. Nature of conveyance: Assignment

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: July 9, 1999.

A. Patent Application Serial Number: \_\_\_\_\_

B. Patent Number: \_\_\_\_\_

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

Bruce Hopenfeld, Patent Attorney  
Intellectual Property Law Department  
LSI Logic Corporation  
M/S D-106  
1551 McCarthy Boulevard  
Milpitas, California 95035  
U.S.A.

6. Total number of applications and patents involved: 1.

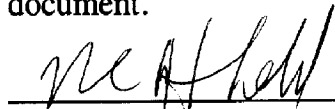
7. Total fee (37 CFR 3.41): \$40.00.

8. Attached is a check in the amount of \$\_\_\_\_\_.

Charge Deposit Account No. 12-2252 in the amount of \$ 40.00.

(A duplicate copy of this document is enclosed.)

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.



Bruce Hopenfeld

July 9, 1999

Reg. No. 39,714

10. Total number of pages including cover sheet, attachments and document: 17.

## ASSIGNMENT OF UNITED STATES PATENT APPLICATION

WHEREAS, we, Rodney A. DeKoning of Augusta, KS; Ray M. Jantz of Wichita, KS; William V. Courtright, II of Pittsburgh, PA; and Matthew A. Markus, of San Francisco, CA, have invented certain new and useful improvements in a **METHODS AND APPARATUS FOR ISSUING UPDATES TO MULTIPLE MANAGEMENT ENTITIES**, Docket No. 98-054, for which we have executed an application for Letters Patent of the United States on 6-3-79, 6-3-49, \_\_\_\_\_ and \_\_\_\_\_, respectively; and

WHEREAS, LSI Logic Corporation, a corporation of the State of Delaware, having its principal place of business in Milpitas, California, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and any and all foreign countries;

NOW, THEREFORE, be it known that for good and valuable consideration, receipt of which is hereby acknowledged, we do hereby sell, assign and transfer unto said LSI Logic Corporation, its successors and assigns, the entire right, title and interest in and to the invention and improvements in any form or embodiment thereof, disclosed and claimed in said application, or which are disclosed and may be claimed; also the entire right, title and interest in and to any Letters Patent to be granted in the United States and its territorial possessions and in any and all foreign countries upon said invention in any form or upon any such improvements thereon, and in and to any and all divisions, reissues, continuations and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue any Letters Patent on said application to the said LSI Logic Corporation, of Delaware, its successors and assigns.

Further, we agree that we will communicate to said LSI Logic Corporation, or its representatives, any facts known to us respecting said invention, and testify in any legal proceeding,

sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said LSI Logic Corporation, make all rightful oaths and generally to do everything possible to aid said LSI Logic Corporation, its successors and assigns, to obtain and enforce protection for said invention in the United States and in any and all foreign countries.

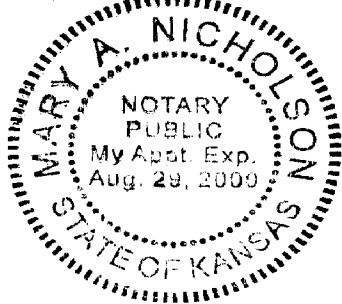
Signed at Wichita, Kansas, this 3<sup>rd</sup> day of June, 1999.

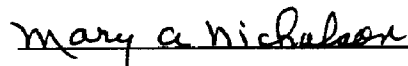
  
Rodney A. DeKoning

STATE OF KANSAS                    )  
  ) ss:  
COUNTY OF SEDGWICK            )

On this 3<sup>rd</sup> day of June, 1999, before me personally appeared **Rodney A. DeKoning**, to me personally known and known to be the person who signed the foregoing assignment, and acknowledged the signing thereof as his free act and deed.

(SEAL)



  
Notary Public

PATENT

REEL: 010108 FRAME: 0912

Signed at Wichita, Kansas, this 3 day of June, 1999.

Ray M. Jantz

STATE OF KANSAS

)

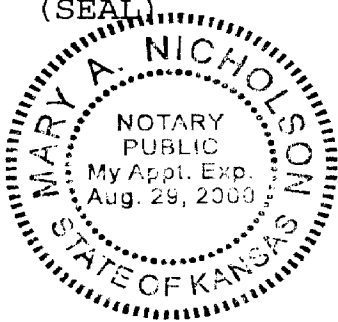
) SS:

COUNTY OF SEDGWICK

)

On this 3<sup>rd</sup> day of June, 1999, before me personally appeared **Ray M. Jantz**, to me personally known and known to be the person who signed the foregoing assignment, and acknowledged the signing thereof as his free act and deed.

(SEAL)



Mary A. Nicholson

Notary Public

## PATENT

REEL: 010108 FRAME: 0913

1999.

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STATE OF \_\_\_\_\_ )

) SS :

COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_ day of \_\_\_\_\_, 1999, before me personally appeared **William V. Courtright, II**, to me personally known and known to be the person who signed the foregoing assignment, and acknowledged the signing thereof as his free act and deed.

(SEAL)

---

1999.

Matthew A. Markus

STATE OF \_\_\_\_\_ )

) SS:

COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 1999, before me personally appeared **Matthew A. Markus**, to me personally known and known to be the person who signed the foregoing assignment, and acknowledged the signing thereof as his free act and deed.

(SEAL)

Notary Public

# ASSIGNMENT OF UNITED STATES PATENT APPLICATION

WHEREAS, we, **Rodney A. DeKoning** of Augusta, KS; **Ray M. Jantz** of Wichita, KS; **William V. Courtright, II** of Pittsburgh, PA; and **Matthew A. Markus**, of San Francisco, CA, have invented certain new and useful improvements in a **METHODS AND APPARATUS FOR ISSUING UPDATES TO MULTIPLE MANAGEMENT ENTITIES**, Docket No. 98-054, for which we have executed an application for Letters Patent of the United States on \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_, respectively; and

WHEREAS, LSI Logic Corporation, a corporation of the State of Delaware, having its principal place of business in Milpitas, California, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and any and all foreign countries;

NOW, THEREFORE, be it known that for good and valuable consideration, receipt of which is hereby acknowledged, we do hereby sell, assign and transfer unto said LSI Logic Corporation, its successors and assigns, the entire right, title and interest in and to the invention and improvements in any form or embodiment thereof, disclosed and claimed in said application, or which are disclosed and may be claimed; also the entire right, title and interest in and to any Letters Patent to be granted in the United States and its territorial possessions and in any and all foreign countries upon said invention in any form or upon any such improvements thereon, and in and to any and all divisions, reissues, continuations and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue any Letters Patent on said application to the said LSI Logic Corporation, of Delaware, its successors and assigns.

Further, we agree that we will communicate to said LSI Logic Corporation, or its representatives, any facts known to us respecting said invention, and testify in any legal proceeding,



sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said LSI Logic Corporation, make all rightful oaths and generally to do everything possible to aid said LSI Logic Corporation, its successors and assigns, to obtain and enforce protection for said invention in the United States and in any and all foreign countries.

Signed at Wichita, Kansas, this \_\_\_\_\_ day of June, 1999.

\_\_\_\_\_  
**Rodney A. DeKoning**

STATE OF KANSAS                    )  
                                      ) ss:  
COUNTY OF SEDGWICK            )

On this \_\_\_\_\_ day of June, 1999, before me personally appeared **Rodney A. DeKoning**, to me personally known and known to be the person who signed the foregoing assignment, and acknowledged the signing thereof as his free act and deed.

(SEAL)

\_\_\_\_\_  
Notary Public

Signed at Wichita, Kansas, this \_\_\_\_\_ day of June, 1999.

\_\_\_\_\_  
**Ray M. Jantz**

STATE OF KANSAS                    )  
  ) ss:  
COUNTY OF SEDGWICK            )

On this \_\_\_\_\_ day of June, 1999, before me personally  
appeared **Ray M. Jantz**, to me personally known and known to be the  
person who signed the foregoing assignment, and acknowledged the  
signing thereof as his free act and deed.

(SEAL)

\_\_\_\_\_  
Notary Public

Signed at Pittsburgh PA, this 8<sup>th</sup> day of June,  
1999.

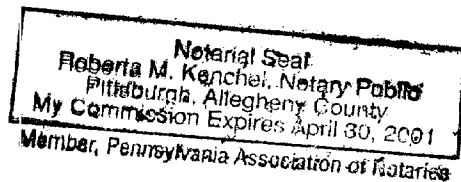
William V. Courtright, II  
William V. Courtright, II

STATE OF PENNSYLVANIA)  
COUNTY OF ALLEGHENY) ss:

On this 8<sup>th</sup> day of June, 1999, before me  
personally appeared **William V. Courtright, II**, to me personally  
known and known to be the person who signed the foregoing  
assignment, and acknowledged the signing thereof as his free act  
and deed.

(SEAL)

Roberta M. Kenchel  
Notary Public



1999.

Matthew A. Markus

STATE OF \_\_\_\_\_ )

) SS:

COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_ day of \_\_\_\_\_, 1999, before me personally appeared **Matthew A. Markus**, to me personally known and known to be the person who signed the foregoing assignment, and acknowledged the signing thereof as his free act and deed.

(SEAL)

Notary Public

# ASSIGNMENT OF UNITED STATES PATENT APPLICATION

WHEREAS, we, **Rodney A. DeKoning** of Augusta, KS; **Ray M. Jantz** of Wichita, KS; **William V. Courtright**, II of Pittsburgh, PA; and **Matthew A. Markus**, of San Francisco, CA, have invented certain new and useful improvements in a **METHODS AND APPARATUS FOR ISSUING UPDATES TO MULTIPLE MANAGEMENT ENTITIES**, Docket No. 98-054, for which we have executed an application for Letters Patent of the United States on \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_, respectively; and

WHEREAS, LSI Logic Corporation, a corporation of the State of Delaware, having its principal place of business in Milpitas, California, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and any and all foreign countries;

NOW, THEREFORE, be it known that for good and valuable consideration, receipt of which is hereby acknowledged, we do hereby sell, assign and transfer unto said LSI Logic Corporation, its successors and assigns, the entire right, title and interest in and to the invention and improvements in any form or embodiment thereof, disclosed and claimed in said application, or which are disclosed and may be claimed; also the entire right, title and interest in and to any Letters Patent to be granted in the United States and its territorial possessions and in any and all foreign countries upon said invention in any form or upon any such improvements thereon, and in and to any and all divisions, reissues, continuations and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue any Letters Patent on said application to the said LSI Logic Corporation, of Delaware, its successors and assigns.

Further, we agree that we will communicate to said LSI Logic Corporation, or its representatives, any facts known to us respecting said invention, and testify in any legal proceeding,

PATENT

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sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said LSI Logic Corporation, make all rightful oaths and generally to do everything possible to aid said LSI Logic Corporation, its successors and assigns, to obtain and enforce protection for said invention in the United States and in any and all foreign countries.

Signed at Wichita, Kansas, this \_\_\_\_\_ day of June, 1999.

\_\_\_\_\_  
Rodney A. DeKoning

STATE OF KANSAS                    )  
                                      ) ss:  
COUNTY OF SEDGWICK            )

On this \_\_\_\_\_ day of June, 1999, before me personally appeared **Rodney A. DeKoning**, to me personally known and known to be the person who signed the foregoing assignment, and acknowledged the signing thereof as his free act and deed.

(SEAL)

\_\_\_\_\_  
Notary Public

Signed at Wichita, Kansas, this \_\_\_\_\_ day of June, 1999.

\_\_\_\_\_  
**Ray M. Jantz**

STATE OF KANSAS                    )  
  ) ss:  
COUNTY OF SEDGWICK            )

On this \_\_\_\_\_ day of June, 1999, before me personally  
appeared **Ray M. Jantz**, to me personally known and known to be the  
person who signed the foregoing assignment, and acknowledged the  
signing thereof as his free act and deed.

(SEAL)

\_\_\_\_\_  
Notary Public

**PATENT**

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1999.

\_\_\_\_\_

STATE OF \_\_\_\_\_ )

) SS :

COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_ day of \_\_\_\_\_, 1999, before me personally appeared **William V. Courtright, II**, to me personally known and known to be the person who signed the foregoing assignment, and acknowledged the signing thereof as his free act and deed.

(SEAL)

\_\_\_\_\_



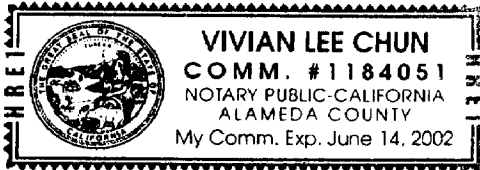
Signed at Berkeley CA, this 16 day of June,  
1999.

Matthew A. Markus  
Matthew A. Markus

STATE OF California )  
COUNTY OF Alameda ) ss:

On this 16<sup>th</sup> day of June, 1999, before me  
personally appeared **Matthew A. Markus**, ~~to me personally known and~~  
known to be the person who signed the foregoing assignment, and  
acknowledged the signing thereof as his free act and deed.

(SEAL)



[Signature]  
Notary Public