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REC'D

U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

Tab settings

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

1. Name of conveying party(ies):

William M. Hurley

2. Name and address of receiving party(ies)

Name: Samsung Electronics Co., Ltd.

Internal Address: 416, Maetan-dong, Paldal-gu

Suwon-city, Kyungki-do

Republic of Korea

Street Address: Same as above

City: State: Zip:

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

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

3. Nature of conveyance:

- Assignment Merger Security Agreement Change of Name Other

Execution Date: October 7, 2003

4. Application number(s) or patent number(s):

10/680949

If this document is being filed together with a new application, the execution date of the application is: 10/07/2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Docket Clerk

Internal Address: P.O. Drawer 800889

Dallas, Texas 75380

Street Address:

City: State: Zip:

6. Total number of applications and patents involved: 1

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

- Enclosed Authorized to be charged to deposit account

8. Deposit account number:

50-0208

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9. Signature.

John T. Mockler, Registration No. 39,775 Name of Person Signing

John T. Mockler Signature

8 Oct. 2003 Date

Total number of pages including cover sheet, attachments, and documents: 3

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

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PATENT REEL: 014594 FRAME: 0512

039701 U.S. PTO 10/680949



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ASSIGNMENT

WHEREAS, I, WILLIAM M. HURLEY, resident of Wylie, Collin County, Texas, citizen of the United States of America, have invented certain new and useful improvements in "APPARATUS AND METHOD FOR EFFICIENT DATA STORAGE IN A DIGITAL LOGIC DEVICE" disclosed in an application for United States Letters Patent (Application No. _____, filed _____), said application having been executed concurrently herewith;

WHEREAS, SAMSUNG ELECTRONICS CO., LTD, a corporation organized under the laws of the Republic of Korea, having a place of business at 416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; I authorize William A. Munck, John T. Mockler or Daniel E. Venglarik of Davis Munck, P.C. to insert in the parenthesis above the application number and filing date of said application when known; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to the said ASSIGNEE of my entire right, title and interest.

I also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

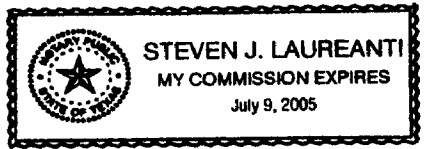
I hereby further agree that I will communicate to said ASSIGNEE, or to its successors, assigns and legal representatives, any facts known to me respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, and make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 7th day of October 2003.

William M. Hurley
William M. Hurley

STATE OF TEXAS
COUNTY OF DALLAS

On this 7th day of OCTOBER, 2003, before me, a Notary Public in and for the State and County aforesaid, personally appeared William M. Hurley, known to me to be the person named above who signed and sealed the foregoing instrument, and acknowledged the same to be his own free act and deed.



Steven J. Laureanti
Notary Public, State of Texas

My Commission Expires:
JULY 9, 2005