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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.

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Steve Cha, Reg No.44,069 Name of Person Signing

Assistant Commissioner for Patents Box Assignments Washington, D.C. 20231

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PATENT REEL: 019521 FRAME: 0703

Docket No.: 5004-1-031

Assignment of Invention and Patent Application

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of TEN (\$10.00) DOLLAR,

1) Young Su SHIN

of

No. 102-806, Chilgoknesvill, 890, Dongchen-dong, Buk-gu, Daegu Metropolitan City, Republic of Korea

(hereinafter Assignor) hereby sells, assigns, transfers, and sets over unto:

SAMSUNG ELECTRONIC CO., LTD. of 416, MAETAN-DONG, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO, REPUBLIC OF KOREA

(hereinafter Assignee) the entire right, title and interest for the United States Of America as defined in 35 U.S.C.' 1.00, in and to the invention entitled as:

STORAGE INTERFACING METHOD AND APPARATUS

invented by Assignor; the application for United States patent therefor, invented by Assignor; any patent or reissues of any patent that may be granted thereon; and any applications which are continuations, continuation-in-part, substitutes, or divisions of said application. Assignor authorizes Assignee to enter the date of signature and/or Serial Number and Filing Date in the above. Assignor also authorizes and requests the Commissioner of Patents and Trademarks to issue any resulting patent(s) to the said Assignee, for its interests as Assignee, its successors, assigns and legal representatives. The undersigned agrees that the attorney of record in said application shall hereafter act on behalf of said Assignee; and Assignor further conveys to Assignee all priority rights resulting from the above-identified application for United States Patent. Assignor agrees to execute all papers, give any required testimony and perform other lawful acts, as deemed essential by Assignee to perfect Assignee's interest in any resulting patent of the United States, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and Assignee's interest therein.

SIGNED ON THE DATES(S) INDICATED BESIDE MY/OUR SIGNATURE(S):

Name of First Inventor:

Young Su SHIN

Signature of inventor

Dated:

ine 14, 2

WITNESSED:

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PATENT REEL: 019521 FRAME: 0704

RECORDED: 06/22/2007